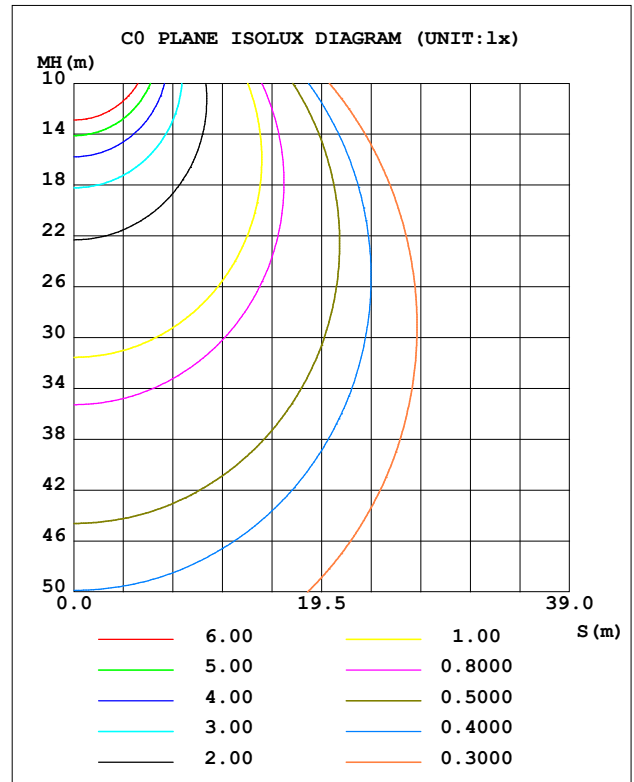
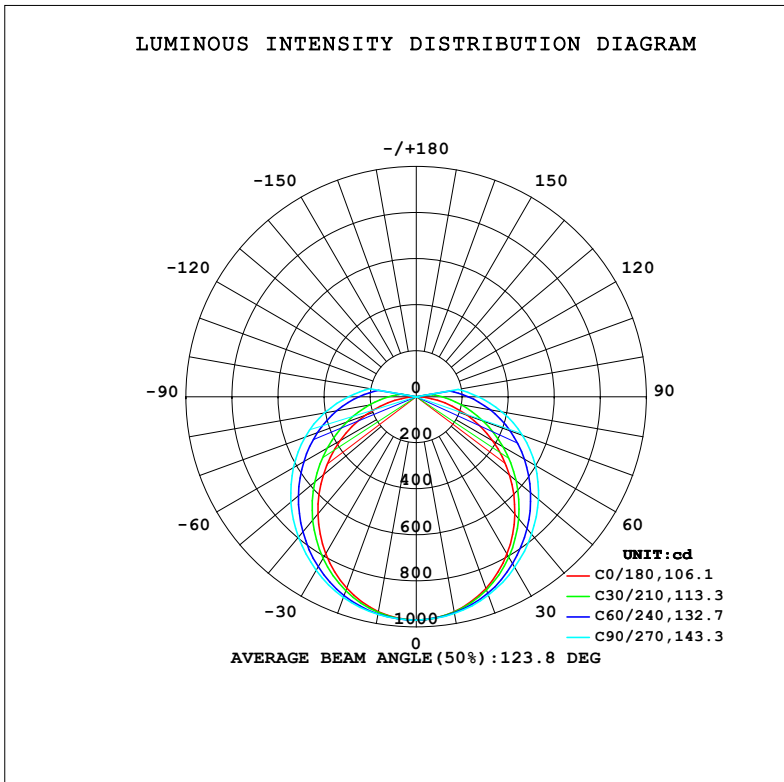


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 9BR40LED	TYPE: 9BR40LED	WEIGHT: 1
SPEC.:	DIM.: F 0.075 x 1.2	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cylinder	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	9BR40LED	Imax(cd)	969.8	S/MH(C0/180)	1.21
NOMINAL POWER(W)	40	LOR(%)	90.1	S/MH(C90/270)	1.34
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	3421.9	$\eta$ UP,DN(C0-180)	2.1,42.4
NOMINAL FLUX(lm)	3800	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	2.2,43.4
LAMPS INSIDE	1	$\eta$ up (%)	4.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230	$\eta$ down (%)	85.8	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:  
Test Date:03 August 2022

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 2.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:6.265m [K=1.0000]  
Remarks:

### ZONAL FLUX DIAGRAM

#### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	948.5	951.0	954.9	951.1	947.9	955.3	959.7	954.6	0- 10	91.75	91.75	2.68,2.41
20	885.5	900.7	917.3	901.0	884.8	907.7	927.4	907.5	10- 20	263.1	354.9	10.4,9.34
30	788.5	820.4	855.6	821.8	787.4	832.0	870.4	831.7	20- 30	400.3	755.2	22.1,19.9
40	666.5	719.2	779.7	720.9	664.7	733.8	796.1	733.3	30- 40	487.3	1242	36.3,32.7
50	529.0	606.9	693.0	609.7	527.3	622.4	710.8	622.3	40- 50	518.9	1761	51.5,46.4
60	383.7	489.9	597.0	493.2	382.4	506.6	616.1	506.1	50- 60	497.9	2259	66,59.5
70	235.3	373.8	491.8	377.9	234.5	391.2	514.0	390.4	60- 70	432.4	2692	78.7,70.8
80	95.56	265.4	377.3	270.1	95.09	283.2	405.1	282.3	70- 80	336.0	3028	88.5,79.7
90	15.67	174.9	270.6	179.0	13.76	190.4	295.0	189.5	80- 90	231.2	3259	95.2,85.8
100	5.695	107.9	185.4	110.4	5.304	119.1	205.6	120.0	90-100	148.7	3407	99.6,89.7
110	0	0	0	0	0	0	0	0	100-110	14.45	3422	100,90.1
120	0	0	0	0	0	0	0	0	110-120	0	3422	100,90.1
130	0	0	0	0	0	0	0	0	120-130	0	3422	100,90.1
140	0	0	0	0	0	0	0	0	130-140	0	3422	100,90.1
150	0	0	0	0	0	0	0	0	140-150	0	3422	100,90.1
160	0	0	0	0	0	0	0	0	150-160	0	3422	100,90.1
170	0	0	0	0	0	0	0	0	160-170	0	3422	100,90.1
180	0	0	0	0	0	0	0	0	170-180	0	3422	100,90.1
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1501.4 lm

%lum = 43.9%

%lamp = 39.5%

Conical surface Flux(130deg): 2485.9 lm

%lum = 72.6%

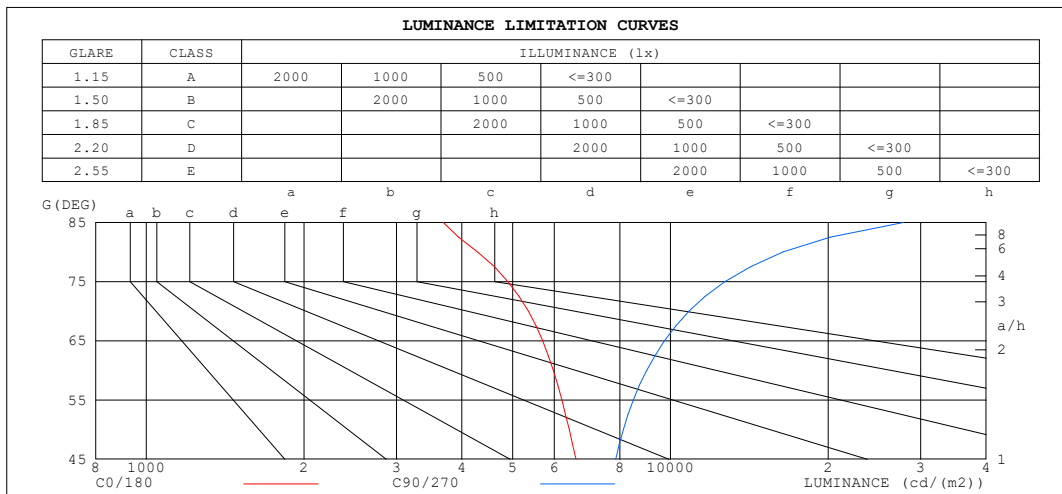
%lamp = 65.4%

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:  
Test Date:03 August 2022

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 2.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:6.265m [K=1.0000]  
Remarks:

**LUMINANCE LIMITATION CURVES**

NAME: 9BR40LED	TYPE: 9BR40LED	WEIGHT: 1
SPEC.:	DIM.: F 0.075 x 1.2	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cylinder	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3686	27806
80	4284	16387
75	4897	12699
70	5355	10845
65	5703	9733
60	5975	9005
55	6205	8494
50	6408	8132
45	6598	7865

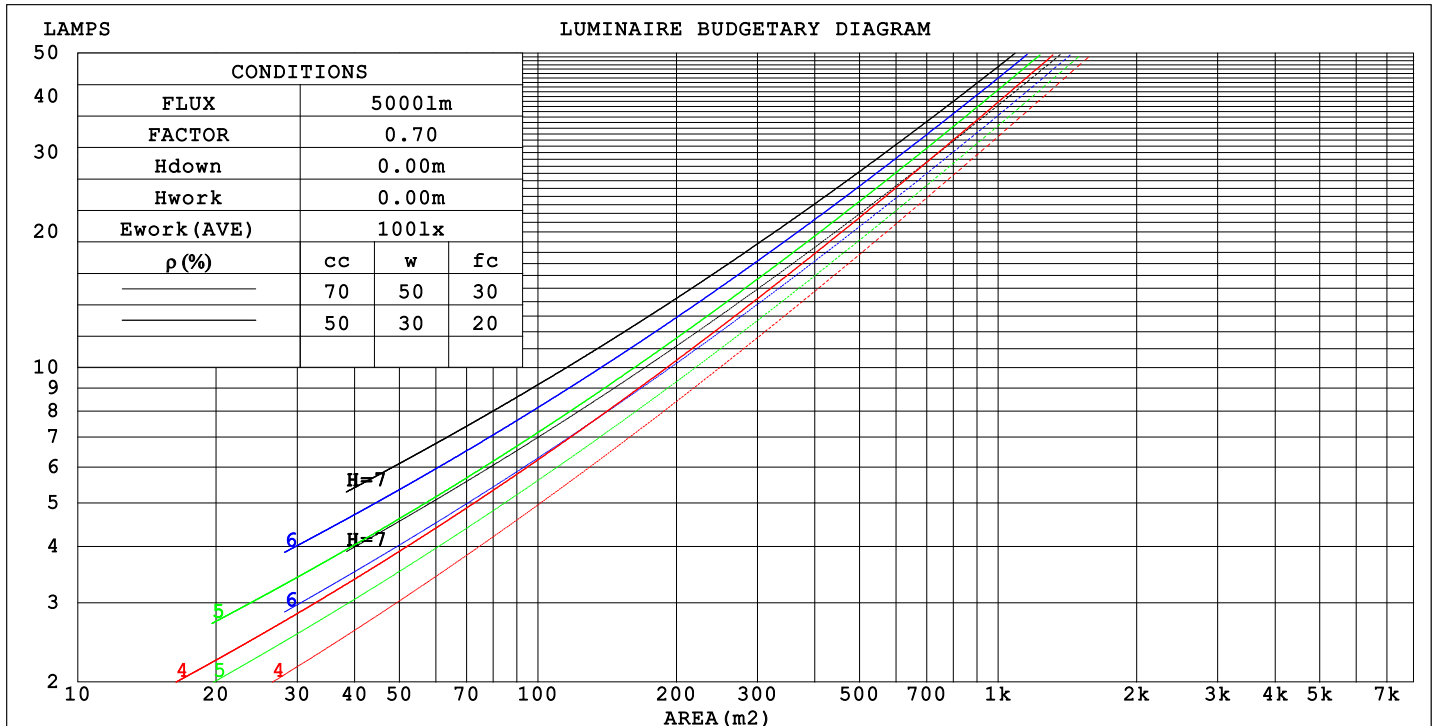
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators:  
 Test Date: 03 August 2022

γ Range: 0 - 100DEG  
 γ Interval: 2.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
 Humidity: 65.0%  
 Test Distance: 6.265m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 9BR40LED	TYPE: 9BR40LED	WEIGHT: 1
SPEC.:	DIM.: F 0.075 x 1.2	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cylinder	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Coefficients of Utilization(CU)															
0.0	1.06	1.06	1.06	1.03	1.03	1.03	.98	.98	.98	.93	.93	.93	.88	.88	.88	.86
1.0	.89	.85	.80	.87	.83	.79	.82	.79	.75	.78	.75	.72	.74	.71	.69	.67
2.0	.77	.70	.64	.75	.68	.63	.71	.65	.60	.67	.62	.58	.63	.60	.56	.54
3.0	.67	.59	.52	.65	.57	.51	.62	.55	.50	.58	.53	.48	.55	.51	.47	.45
4.0	.59	.50	.44	.57	.49	.43	.54	.47	.42	.52	.46	.41	.49	.44	.40	.38
5.0	.52	.44	.37	.51	.43	.37	.49	.41	.36	.46	.40	.35	.44	.39	.34	.32
6.0	.47	.38	.32	.46	.38	.32	.44	.37	.31	.42	.35	.31	.40	.34	.30	.28
7.0	.42	.34	.28	.41	.34	.28	.40	.33	.28	.38	.32	.27	.36	.31	.27	.25
8.0	.39	.31	.25	.38	.30	.25	.36	.29	.25	.35	.29	.24	.33	.28	.24	.22
9.0	.35	.28	.23	.35	.27	.22	.33	.27	.22	.32	.26	.22	.31	.25	.21	.20
10.0	.33	.25	.20	.32	.25	.20	.31	.24	.20	.30	.24	.20	.29	.23	.19	.18



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:  
Test Date:03 August 2022

γ Range: 0 - 100DEG  
γ Interval: 2.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:6.265m [K=1.0000]  
Remarks:

## WEC AND CCEC

NAME: 9BR40LED	TYPE: 9BR40LED	WEIGHT: 1
SPEC.:	DIM.: F 0.075 x 1.2	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cylinder	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.340	.193	.061	.332	.189	.060	.317	.182	.058	.304	.175	.056	.291	.169	.054	
2.0	.298	.164	.050	.291	.161	.049	.278	.155	.048	.266	.149	.047	.255	.144	.045	
3.0	.267	.142	.043	.261	.140	.042	.249	.135	.041	.238	.130	.040	.228	.126	.039	
4.0	.241	.125	.037	.236	.123	.036	.225	.119	.036	.215	.116	.035	.206	.112	.034	
5.0	.220	.112	.032	.215	.110	.032	.205	.107	.031	.197	.104	.031	.189	.101	.030	
6.0	.202	.101	.029	.197	.100	.029	.189	.097	.028	.181	.094	.028	.174	.091	.027	
7.0	.186	.092	.026	.182	.091	.026	.175	.088	.025	.168	.086	.025	.161	.084	.025	
8.0	.173	.084	.024	.169	.083	.024	.162	.081	.023	.156	.079	.023	.150	.077	.022	
9.0	.161	.078	.022	.158	.077	.022	.152	.075	.021	.146	.073	.021	.140	.071	.021	
10.0	.151	.072	.020	.148	.072	.020	.142	.070	.020	.137	.068	.019	.132	.066	.019	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.204	.204	.204	.175	.175	.175	.119	.119	.119	.068	.068	.068	.022	.022	.022	
1.0	.200	.173	.149	.171	.149	.128	.117	.102	.089	.067	.059	.052	.022	.019	.017	
2.0	.193	.152	.117	.165	.131	.101	.113	.090	.071	.065	.053	.041	.021	.017	.013	
3.0	.186	.136	.097	.160	.118	.084	.110	.082	.059	.063	.048	.035	.020	.016	.011	
4.0	.179	.125	.084	.154	.108	.073	.106	.075	.051	.061	.044	.030	.020	.014	.010	
5.0	.172	.116	.074	.148	.100	.065	.102	.070	.046	.059	.041	.027	.019	.013	.009	
6.0	.165	.108	.068	.142	.094	.059	.098	.066	.042	.057	.039	.025	.018	.013	.008	
7.0	.158	.102	.063	.136	.089	.055	.094	.062	.039	.055	.037	.023	.018	.012	.008	
8.0	.152	.097	.059	.131	.084	.051	.091	.059	.037	.053	.035	.022	.017	.011	.007	
9.0	.147	.093	.056	.126	.080	.049	.088	.056	.035	.051	.033	.021	.017	.011	.007	
10.0	.141	.089	.054	.122	.077	.047	.084	.054	.033	.049	.032	.020	.016	.011	.007	

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:  
Test Date:03 August 2022

γ Range: 0 - 100DEG  
γ Interval: 2.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:6.265m [K=1.0000]  
Remarks:

## UGR(Unified Glare Rating) Table

NAME: 9BR40LED					TYPE: 9BR40LED			WEIGHT: 1			
SPEC.:					DIM.: F 0.075 x 1.2			SERIAL No.: 0			
MFR.: Elmark Industries JSC					SUR.: cylinder			Shielding Angle:			
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H	y = 2H	13.8	15.3	14.1	15.6	15.9	15.6	17.2	16.0	17.5	17.8
	3H	15.2	16.7	15.6	17.0	17.3	18.1	19.5	18.5	19.8	20.2
	4H	15.8	17.2	16.2	17.5	17.9	19.4	20.8	19.8	21.1	21.5
	6H	16.2	17.5	16.6	17.9	18.3	20.8	22.1	21.2	22.5	22.8
	8H	16.3	17.6	16.7	18.0	18.4	21.5	22.8	21.9	23.2	23.6
	12H	16.4	17.6	16.8	18.0	18.4	22.4	23.6	22.8	24.0	24.4
4H	2H	14.8	16.2	15.2	16.5	16.9	16.2	17.5	16.6	17.9	18.2
	3H	16.5	17.7	16.9	18.1	18.5	18.9	20.1	19.3	20.5	20.9
	4H	17.2	18.3	17.7	18.7	19.2	20.4	21.5	20.8	21.9	22.4
	6H	17.8	18.8	18.2	19.2	19.7	22.0	23.0	22.5	23.5	23.9
	8H	18.0	18.9	18.4	19.4	19.8	22.9	23.8	23.4	24.3	24.8
	12H	18.1	18.9	18.6	19.4	19.9	23.9	24.7	24.4	25.2	25.7
8H	4H	18.1	19.1	18.6	19.5	20.0	20.7	21.6	21.2	22.1	22.6
	6H	19.0	19.8	19.5	20.3	20.8	22.6	23.4	23.1	23.9	24.4
	8H	19.4	20.1	19.9	20.6	21.1	23.7	24.4	24.2	24.9	25.5
	12H	19.6	20.3	20.2	20.8	21.4	25.0	25.6	25.5	26.1	26.7
12H	4H	18.4	19.3	18.9	19.7	20.2	20.7	21.6	21.2	22.1	22.6
	6H	19.5	20.2	20.0	20.7	21.3	22.7	23.4	23.3	24.0	24.5
	8H	20.0	20.6	20.5	21.1	21.7	23.9	24.5	24.5	25.1	25.7
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H		+ 0.2 / - 0.2					+ 0.2 / - 0.3				
2.0H		+ 0.1 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 3800 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 4.6)  
Area: 0.13188 m2

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:  
Test Date:03 August 2022

γ Range: 0 - 100DEG  
γ Interval: 2.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:6.265m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

NAME: 9BR40LED	TYPE: 9BR40LED	WEIGHT: 1
SPEC.:	DIM.: F 0.075 x 1.2	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cylinder	Shielding Angle:

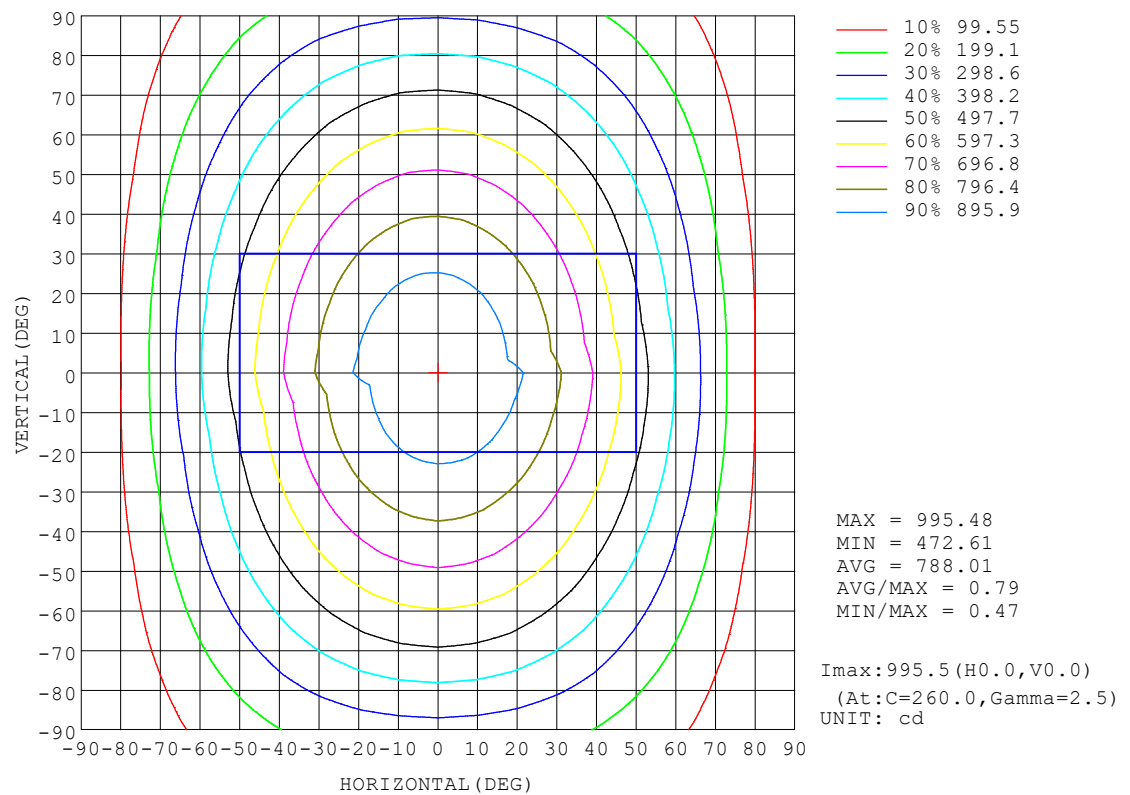
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	47	36	30	47	36	30	46	36	30	24
0.80	56	45	37	55	44	37	53	43	37	30
1.00	63	52	45	62	51	44	60	53	44	37
1.25	69	59	51	68	58	51	65	56	50	43
1.50	74	63	56	72	63	56	69	61	55	47
2.00	80	71	64	78	70	63	75	67	62	54
2.50	84	75	69	82	74	68	78	71	66	57
3.00	87	79	73	85	78	72	81	75	70	61
4.00	91	85	79	89	83	78	84	79	75	66
5.00	94	88	83	91	86	82	86	82	79	69
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators:  
Test Date: 03 August 2022

γ Range: 0 - 100DEG  
γ Interval: 2.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity: 65.0%  
Test Distance: 6.265m [K=1.0000]  
Remarks:

# ISOCANDELA DIAGRAM

NAME: 9BR40LED	TYPE: 9BR40LED	WEIGHT: 1
SPEC.:	DIM.: F 0.075 x 1.2	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cylinder	Shielding Angle:



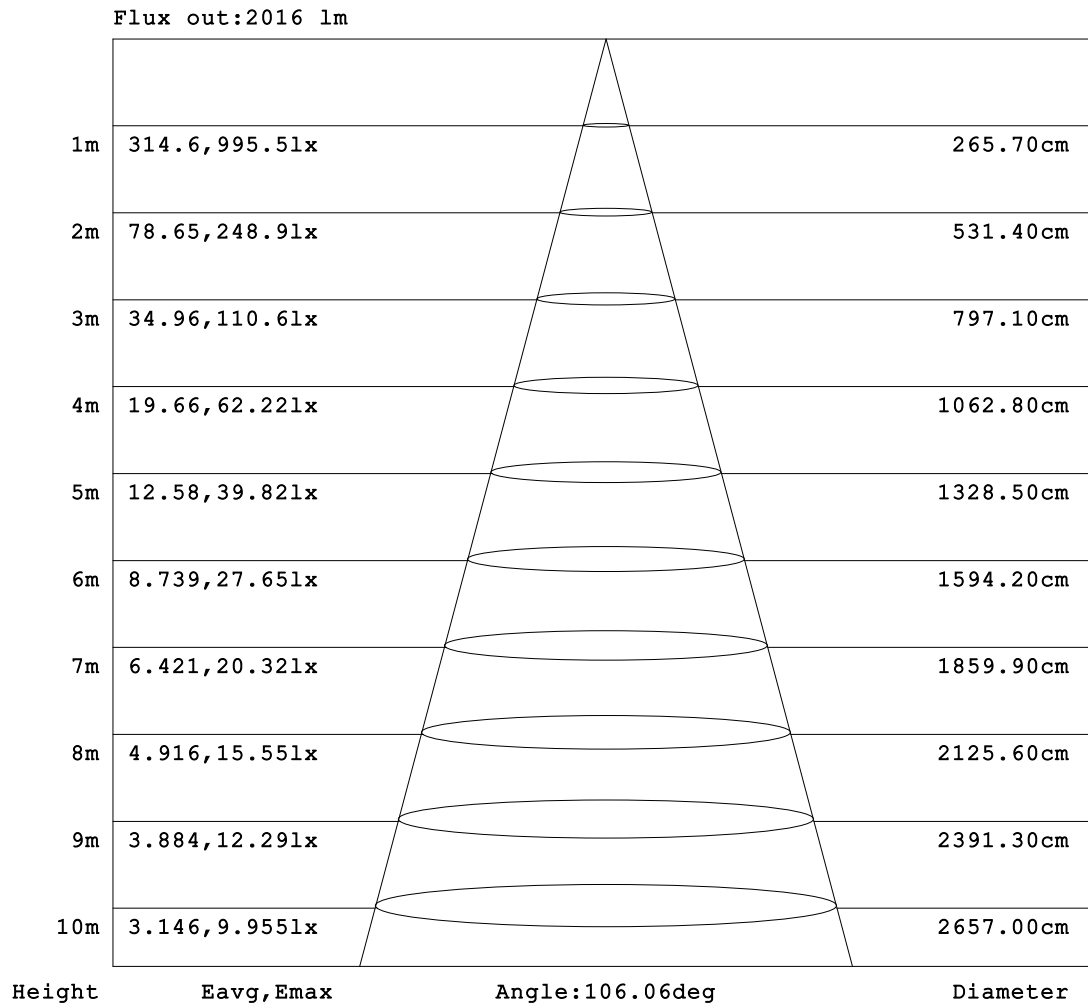
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:  
Test Date:03 August 2022

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 2.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:6.265m [K=1.0000]  
Remarks:



**AAI Figure**

NAME: 9BR40LED	TYPE: 9BR40LED	WEIGHT: 1
SPEC.:	DIM.: F 0.075 x 1.2	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cylinder	Shielding Angle:



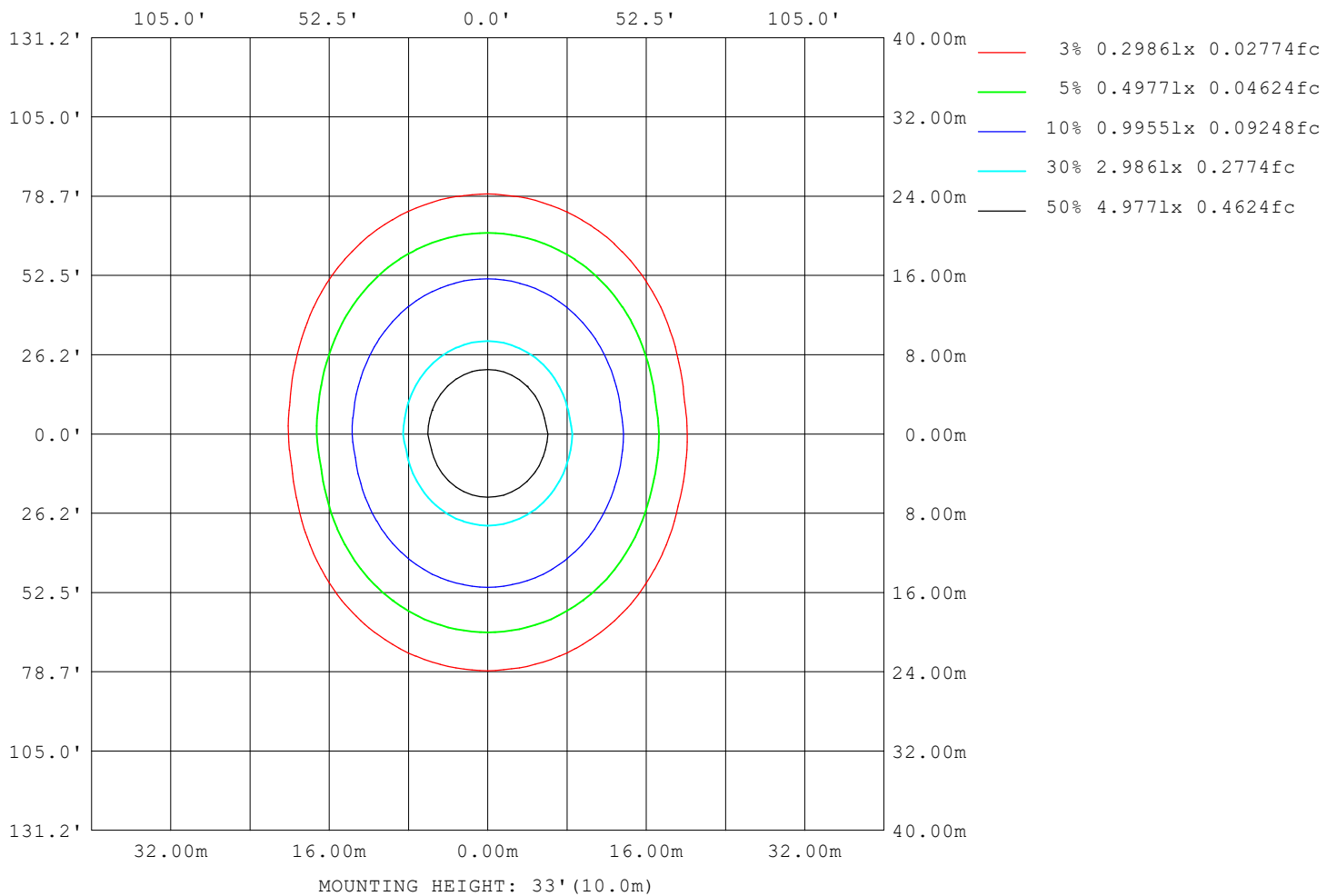
**Note:**The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:  
 Test Date:03 August 2022

γ Range: 0 - 100DEG  
 γ Interval: 2.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
 Humidity:65.0%  
 Test Distance:6.265m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

NAME: 9BR40LED	TYPE: 9BR40LED	WEIGHT: 1
SPEC.:	DIM.: F 0.075 x 1.2	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cylinder	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators:  
Test Date: 03 August 2022

γ Range: 0 - 100DEG  
γ Interval: 2.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity: 65.0%  
Test Distance: 6.265m [K=1.0000]  
Remarks:

### LED Avg.L Report

NAME: 9BR40LED	TYPE: 9BR40LED	WEIGHT: 1
SPEC.:	DIM.: F 0.075 x 1.2	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cylinder	Shielding Angle:

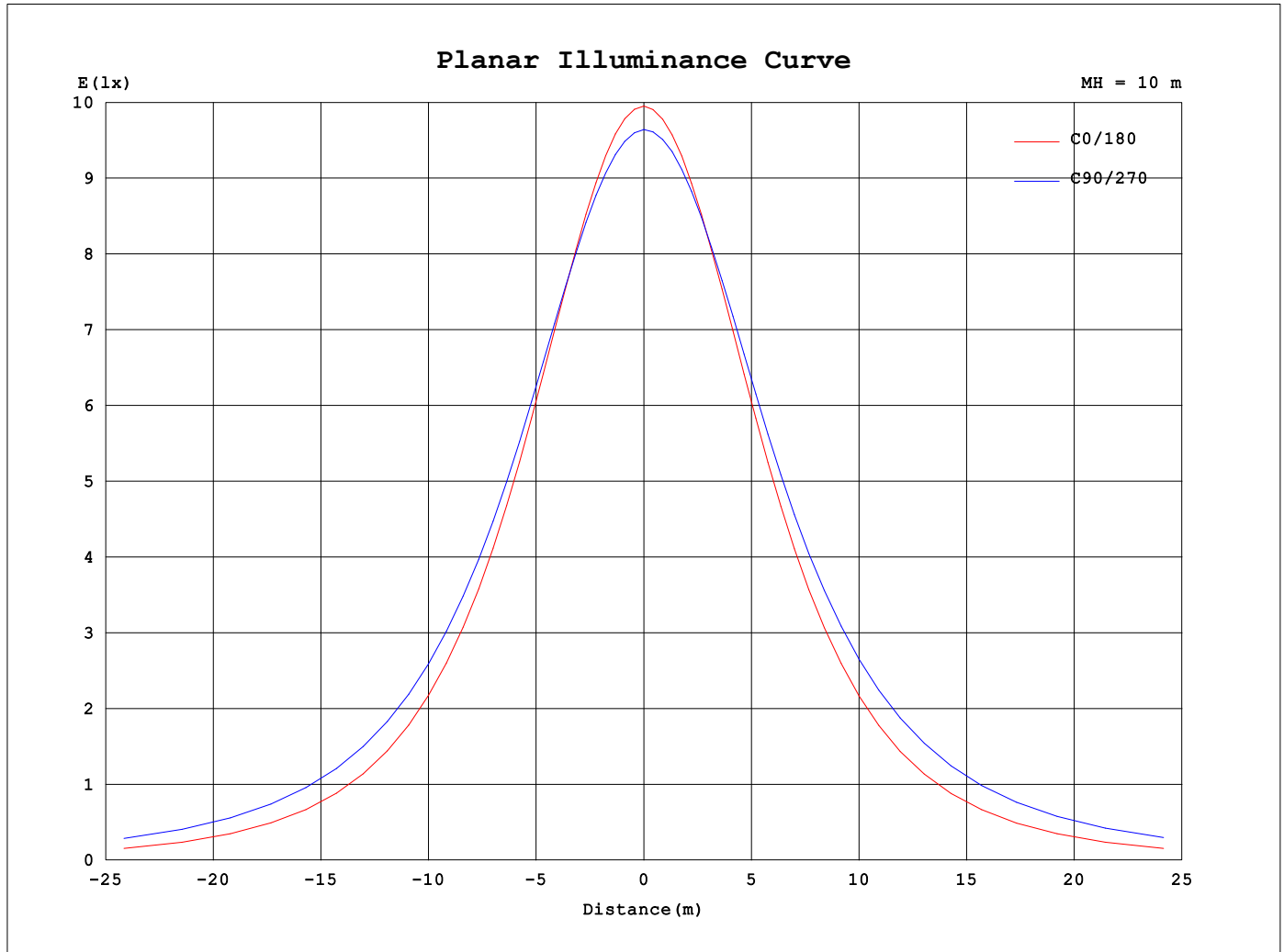
AvgL	cd/m2
L_0~180 (65) av	5544
L_0~180 (75) av	4770
L_0~180 (85) av	3548
L_90~270 (65) av	9972
L_90~270 (75) av	13126
L_90~270 (85) av	29094
L_45 (65) av	7911
L_45 (75) av	9621
L_45 (85) av	19808

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:  
Test Date:03 August 2022

γ Range: 0 - 100DEG  
γ Interval: 2.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:6.265m [K=1.0000]  
Remarks:

# Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators:  
 Test Date: 03 August 2022

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 2.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
 Humidity: 65.0%  
 Test Distance: 6.265m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 9BR40LED	TYPE: 9BR40LED	WEIGHT: 1
SPEC.:	DIM.: F 0.075 x 1.2	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cylinder	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970
5	964	964	964	964	964	965	965	965	965	965	965	965	965	965	964	964	964	964	964
10	948	948	948	949	950	952	953	954	955	955	955	955	953	952	950	950	948	947	948
15	922	922	923	925	927	931	933	937	938	939	939	937	934	932	928	925	922	920	921
20	886	886	888	893	897	904	908	913	916	917	917	915	910	904	898	892	887	885	885
25	841	843	845	852	859	869	876	883	887	889	888	884	877	869	860	852	845	840	839
30	788	791	795	804	814	827	837	847	853	856	854	849	839	828	815	805	794	788	787
35	730	733	738	750	764	780	794	807	815	819	816	809	796	782	765	751	738	730	728
40	667	670	677	692	708	730	748	765	775	780	776	767	750	731	710	693	676	667	665
45	599	603	612	630	651	677	700	720	732	737	733	722	702	680	653	631	612	600	598
50	529	534	544	566	592	622	649	672	687	693	688	675	652	625	594	567	545	531	527
55	457	462	475	501	531	566	597	623	639	646	640	626	600	569	534	503	476	460	456
60	384	390	405	436	470	510	543	572	589	597	591	575	547	513	474	438	406	388	382
65	310	317	336	371	410	452	488	519	538	545	540	523	493	456	414	374	338	316	308
70	235	244	270	309	351	396	434	465	484	492	486	469	438	400	356	312	271	244	235
75	163	175	206	250	295	341	379	410	428	436	430	413	384	345	300	253	209	175	163
80	95.6	113	150	196	243	288	326	354	370	377	372	358	331	293	247	200	152	113	95.1
85	41.3	63.0	103	150	196	239	273	300	315	321	317	303	277	244	200	153	105	63.6	40.3
90	15.7	33.3	69.3	113	155	195	226	251	265	271	266	254	231	199	159	116	71.1	33.4	13.8
95	13.5	20.2	46.6	83.1	120	156	185	207	220	225	221	210	189	160	124	85.6	47.9	19.9	11.9
100	5.69	14.0	31.8	60.6	92.4	123	149	169	181	185	182	171	153	127	94.1	62.0	32.8	13.5	5.30
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:  
Test Date:03 August 2022

γ Range: 0 - 100DEG  
γ Interval: 2.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:6.265m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 9BR40LED	TYPE: 9BR40LED	WEIGHT: 1
SPEC.:	DIM.: F 0.075 x 1.2	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cylinder	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970		
5	964	965	966	966	967	967	968	968	968	968	967	967	967	965	965	964	965		
10	948	950	951	954	956	958	959	961	960	960	959	957	955	954	952	950	949		
15	921	925	929	933	937	942	944	947	947	946	944	941	937	933	929	926	923		
20	886	892	897	904	911	918	924	927	927	927	923	918	911	904	898	892	888		
25	841	849	857	868	878	889	896	901	902	901	895	888	878	868	858	850	844		
30	789	800	810	825	839	852	862	870	870	869	861	851	838	825	811	801	793		
35	731	744	758	777	794	811	823	833	834	832	823	810	793	776	759	746	735		
40	669	684	701	723	744	766	782	794	796	793	782	765	744	723	702	686	672		
45	602	619	639	666	692	719	738	752	755	751	737	717	692	665	641	621	606		
50	533	553	576	607	638	668	691	707	711	706	690	667	638	607	577	554	537		
55	462	484	511	547	582	617	642	660	664	659	641	615	582	547	512	485	466		
60	390	415	446	487	526	564	592	612	616	611	591	562	526	487	448	416	394		
65	318	346	383	427	470	511	540	561	566	560	539	509	469	427	383	347	321		
70	246	279	320	369	414	457	488	509	514	508	486	455	413	368	321	280	249		
75	176	215	261	312	360	403	434	455	460	454	433	401	359	312	262	217	179		
80	114	159	207	259	307	350	381	401	405	399	379	348	306	259	208	161	117		
85	63.9	110	160	211	258	298	325	343	347	342	323	295	257	211	160	112	66.9		
90	33.1	74.1	121	169	212	249	274	291	295	290	273	247	211	168	122	76.1	36.0		
95	19.8	50.1	90.1	133	172	206	229	244	248	243	228	204	171	133	91.0	51.9	21.9		
100	13.5	33.7	66.3	101	137	168	189	202	206	201	187	166	137	103	67.7	35.9	15.1		
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:03 August 2022

γ Range: 0 - 100DEG

γ Interval: 2.5DEG

Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456

Humidity:65.0%

Test Distance:6.265m [K=1.0000]

Remarks: