

Light Output Ratio:	100.0%	
Luminaire Power:	5.8 W	
SHR Nominal:	1.50	Calculated using the TM5
SHR Maximum:	1.50	fine grid method.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Rinno
Test Date: 2025-09-19

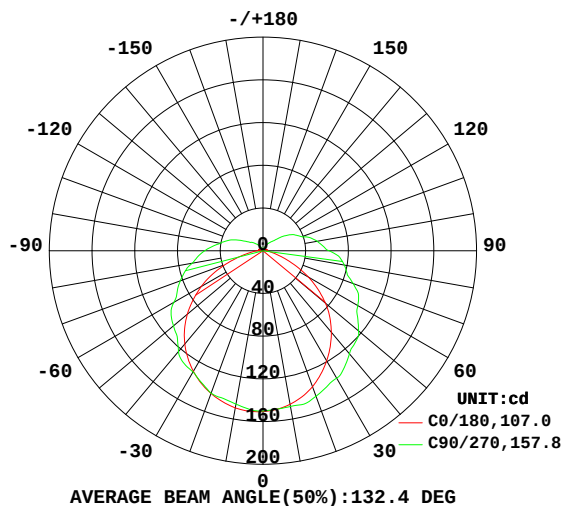
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.417
Humidity: 65.0%
Test Distance: 8.068m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

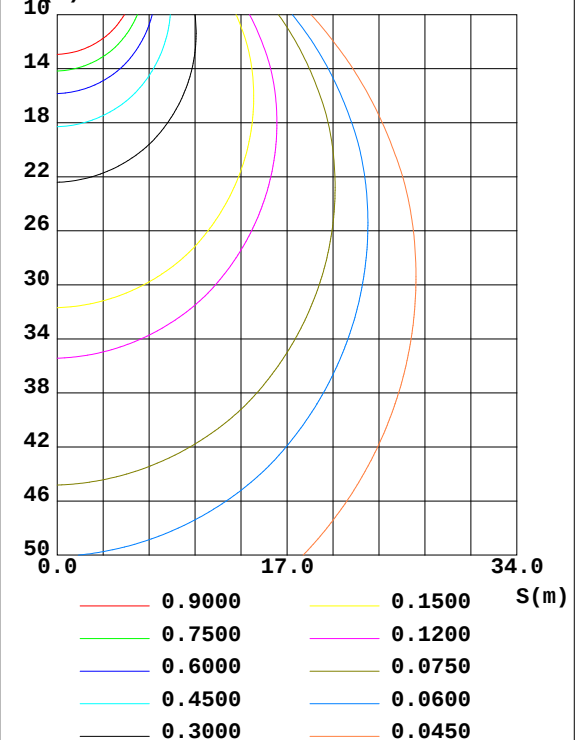
NAME: MEMORIAL-420 DIM	TYPE:Wall Light	WEIGHT:
SPEC.:3000K CRI90 250mA	DIM.: 420*50*77mm	SERIAL No.:
MFR.: NSL	SUR.:350*50mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 107.58 lm/W
MODEL	BridgeLux 2835	Imax(cd)	150.9	S/MH(C0/180)	1.28	
NOMINAL POWER(W)	5.8	LOR(%)	100.0	S/MH(C90/270)	1.33	
RATED VOLTAGE(V)	23.1	TOTAL FLUX(lm)	623.94	η UP, DN(C0-180)	8.5, 42.7	
NOMINAL FLUX(lm)	623.94	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	6.4, 42.4	
LAMPS INSIDE	1	η up(%)	14.8	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	23.1	η down(%)	85.2	CIBSE SHR MAX	1.50	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Rinno
Test Date:2025-09-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:8.068m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	145.9	146.3	148.1	148.4	149.4	147.6	145.9	145.1	0- 10	14.18	14.18	2.27, 2.27
20	135.5	139.7	145.1	145.7	142.3	140.3	142.0	136.7	10- 20	40.79	54.97	8.81, 8.81
30	119.2	128.4	137.8	135.3	130.4	130.8	131.1	125.5	20- 30	62.62	117.6	18.8, 18.8
40	99.53	112.7	125.9	122.9	113.9	116.5	123.1	112.2	30- 40	77.24	194.8	31.2, 31.2
50	76.43	95.92	116.8	107.7	92.51	100.7	109.5	96.19	40- 50	83.26	278.1	44.6, 44.6
60	48.79	77.04	102.6	91.44	66.51	83.37	96.20	81.25	50- 60	80.75	358.8	57.5, 57.5
70	21.89	61.00	89.78	75.24	37.55	65.37	82.50	63.61	60- 70	71.01	429.8	68.9, 68.9
80	7.773	47.50	77.33	61.43	14.50	48.40	67.21	48.98	70- 80	57.13	487.0	78, 78
90	3.051	36.72	61.95	47.69	4.747	35.13	54.67	37.52	80- 90	44.38	531.4	85.2, 85.2
100	4.603	27.26	51.64	37.45	3.707	24.46	40.59	24.60	90-100	33.52	564.9	90.5, 90.5
110	3.514	19.79	38.64	26.24	4.272	14.29	30.20	17.38	100-110	24.52	589.4	94.5, 94.5
120	2.555	11.86	30.23	19.45	3.440	8.304	17.34	9.147	110-120	15.90	605.3	97, 97
130	2.162	7.528	17.19	9.960	2.416	6.327	11.73	6.424	120-130	9.207	614.5	98.5, 98.5
140	1.957	5.554	10.33	6.905	1.948	3.991	7.246	4.276	130-140	5.071	619.6	99.3, 99.3
150	1.765	3.273	6.251	3.542	1.727	2.083	3.406	2.501	140-150	2.623	622.2	99.7, 99.7
160	1.522	2.203	3.154	2.203	1.607	1.497	1.876	1.602	150-160	1.140	623.3	99.9, 99.9
170	1.407	1.497	1.636	1.480	1.484	1.371	1.330	1.400	160-170	0.4801	623.8	100, 100
180	1.555	1.476	1.342	1.472	1.560	1.484	1.334	1.480	170-180	0.1354	623.9	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 236.19 lm

%lum = 37.9%

%lamp = 37.9%

Conical surface Flux(120deg): 358.84 lm

%lum = 57.5%

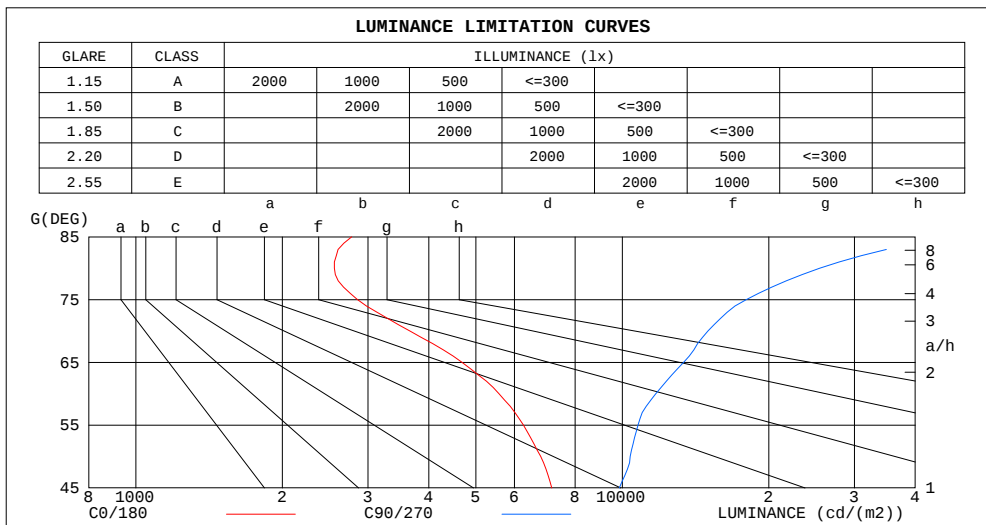
%lamp = 57.5%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Rinno
 Test Date: 2025-09-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.417
 Humidity: 65.0%
 Test Distance: 8.068m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: MEMORIAL-420 DIM	TYPE:Wall Light	WEIGHT:
SPEC.:3000K CRI90 250mA	DIM.: 420*50*77mm	SERIAL No.:
MFR.: NSL	SUR.:350*50mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2777	47355
80	2558	25447
75	2853	17988
70	3658	14999
65	4681	13365
60	5575	11720
55	6261	10772
50	6795	10382
45	7162	9860

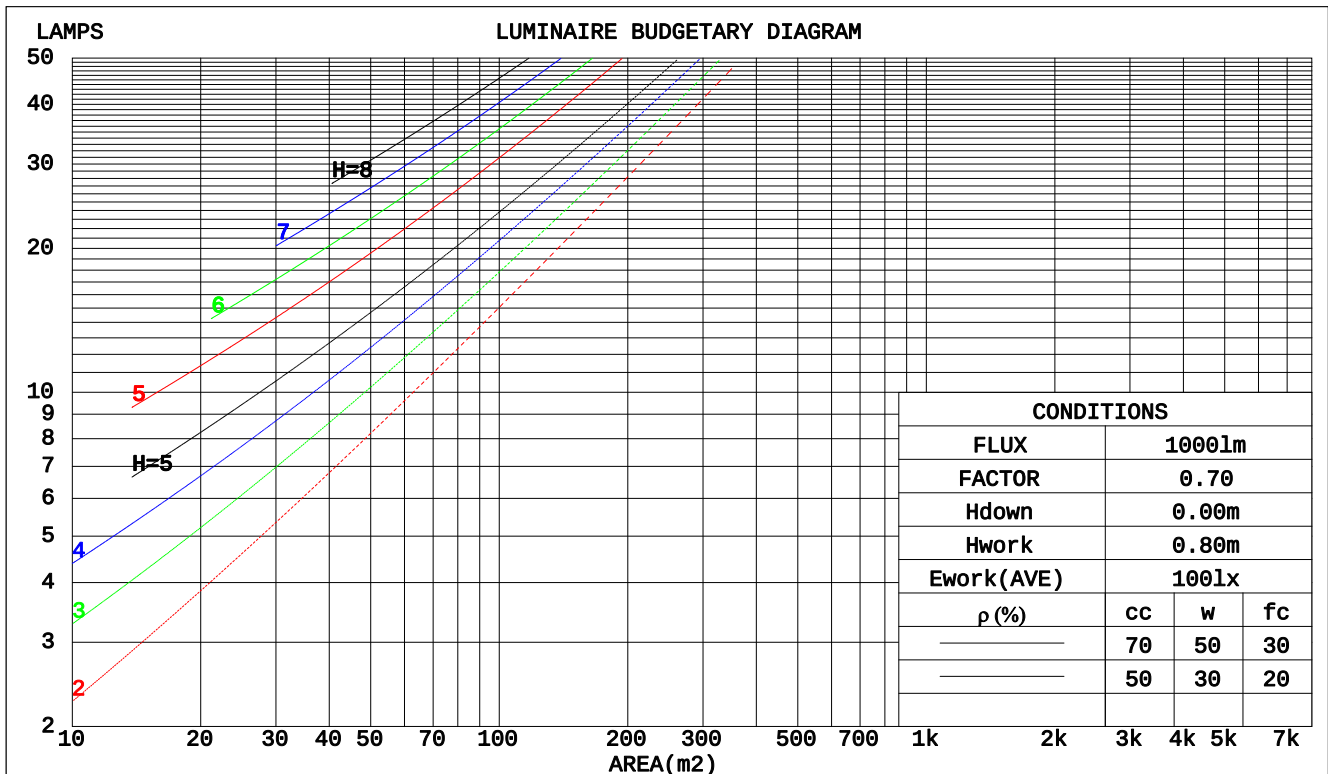
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Rinno
Test Date:2025-09-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:8.068m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: MEMORIAL-420 DIM	TYPE:Wall Light	WEIGHT:
SPEC.:3000K CRI90 250mA	DIM.: 420*50*77mm	SERIAL No.:
MFR.: NSL	SUR.:350*50mm	Shielding Angle:

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.16	1.16	1.16	1.11	1.11	1.11	1.03	1.03	1.03	.95	.95	.95	.88	.88	.88	.85
1.0	.97	.91	.87	.93	.88	.84	.86	.82	.79	.79	.76	.73	.73	.71	.69	.65
2.0	.83	.75	.69	.80	.73	.67	.74	.68	.63	.68	.63	.59	.63	.59	.56	.53
3.0	.72	.63	.56	.69	.61	.55	.64	.57	.52	.59	.54	.49	.55	.50	.46	.43
4.0	.63	.54	.47	.61	.52	.46	.57	.49	.43	.52	.46	.41	.49	.43	.39	.36
5.0	.56	.47	.40	.54	.46	.39	.50	.43	.37	.47	.40	.35	.44	.38	.34	.31
6.0	.50	.41	.34	.49	.40	.34	.45	.38	.32	.42	.36	.31	.39	.34	.29	.27
7.0	.46	.37	.30	.44	.36	.30	.41	.34	.28	.38	.32	.27	.36	.30	.26	.24
8.0	.41	.33	.27	.40	.32	.26	.38	.30	.25	.35	.29	.24	.33	.27	.23	.21
9.0	.38	.30	.24	.37	.29	.23	.34	.27	.23	.32	.26	.22	.30	.25	.21	.19
10.0	.35	.27	.22	.34	.26	.21	.32	.25	.20	.30	.24	.20	.28	.23	.19	.17



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Rinno
Test Date:2025-09-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:8.068m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: MEMORIAL-420 DIM	TYPE:Wall Light	WEIGHT:
SPEC.:3000K CRI90 250mA	DIM.: 420*50*77mm	SERIAL No.:
MFR.: NSL	SUR.:350*50mm	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0	
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.378	.215	.068	.367	.209	.066	.345	.198	.063	.324	.187	.060	.306	.177	.057		
2.0	.329	.180	.055	.319	.176	.054	.299	.166	.052	.281	.157	.049	.264	.149	.047		
3.0	.293	.156	.047	.284	.152	.046	.266	.144	.044	.249	.137	.042	.234	.130	.040		
4.0	.265	.138	.040	.256	.134	.040	.240	.127	.038	.225	.121	.036	.211	.115	.035		
5.0	.241	.123	.036	.233	.120	.035	.219	.114	.034	.205	.108	.032	.192	.103	.031		
6.0	.221	.111	.032	.214	.108	.031	.201	.103	.030	.188	.098	.029	.177	.093	.028		
7.0	.204	.101	.029	.198	.099	.028	.186	.094	.027	.174	.089	.026	.163	.085	.025		
8.0	.189	.093	.026	.184	.090	.026	.173	.086	.025	.162	.082	.024	.152	.078	.023		
9.0	.177	.085	.024	.171	.084	.023	.161	.080	.023	.151	.076	.022	.142	.072	.021		
10.0	.165	.079	.022	.161	.078	.022	.151	.074	.021	.142	.071	.020	.134	.067	.019		

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fC}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.304	.304	.304	.259	.259	.259	.177	.177	.177	.102	.102	.102	.033	.033	.033	
1.0	.299	.270	.243	.256	.231	.209	.175	.159	.145	.101	.092	.084	.032	.030	.027	
2.0	.292	.246	.208	.250	.212	.180	.171	.147	.126	.099	.085	.074	.032	.028	.024	
3.0	.284	.230	.186	.244	.198	.162	.167	.138	.113	.097	.080	.067	.031	.026	.022	
4.0	.277	.217	.172	.237	.188	.149	.163	.131	.105	.094	.077	.062	.030	.025	.020	
5.0	.269	.207	.162	.231	.179	.141	.159	.125	.099	.092	.074	.059	.030	.024	.019	
6.0	.261	.199	.155	.225	.173	.135	.155	.121	.095	.090	.071	.057	.029	.023	.019	
7.0	.254	.193	.149	.219	.167	.130	.151	.117	.092	.088	.069	.055	.028	.023	.018	
8.0	.248	.187	.145	.213	.162	.127	.148	.114	.090	.086	.067	.054	.028	.022	.018	
9.0	.241	.182	.142	.208	.158	.124	.144	.111	.088	.084	.066	.053	.027	.022	.017	
10.0	.236	.178	.140	.203	.155	.122	.141	.109	.087	.082	.064	.052	.027	.021	.017	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Rinno
Test Date:2025-09-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:8.068m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME: MEMORIAL-420 DIM						TYPE:Wall Light			WEIGHT:		
SPEC.:3000K CRI90 250mA						DIM.: 420*50*77mm			SERIAL No.:		
MFR.: NSL						SUR.:350*50mm			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		17.9	19.3	18.4	19.8	20.3	20.4	21.8	20.9	22.2	22.7
3H		19.0	20.3	19.5	20.7	21.3	23.1	24.4	23.6	24.9	25.4
4H		19.3	20.5	19.8	21.0	21.6	24.5	25.7	25.0	26.2	26.8
6H		19.6	20.7	20.1	21.2	21.8	26.2	27.3	26.7	27.9	28.5
8H		19.6	20.8	20.2	21.3	21.9	27.1	28.3	27.7	28.8	29.4
12H		19.7	20.8	20.3	21.3	21.9	28.3	29.4	28.8	29.9	30.5
4H 2H		19.0	20.3	19.6	20.8	21.3	20.9	22.1	21.4	22.6	23.2
3H		20.5	21.5	21.0	22.1	22.7	23.7	24.8	24.3	25.4	26.0
4H		21.1	22.1	21.6	22.6	23.3	25.4	26.4	25.9	26.9	27.6
6H		21.6	22.5	22.2	23.1	23.7	27.3	28.2	27.9	28.8	29.4
8H		21.8	22.6	22.4	23.2	23.9	28.4	29.2	29.0	29.8	30.5
12H		21.9	22.7	22.6	23.3	24.0	29.6	30.4	30.3	31.1	31.8
8H 4H		22.2	23.1	22.9	23.7	24.4	25.6	26.5	26.3	27.1	27.8
6H		23.2	23.9	23.8	24.5	25.3	27.8	28.5	28.5	29.2	29.9
8H		23.6	24.3	24.3	24.9	25.7	29.1	29.7	29.8	30.4	31.2
12H		24.0	24.6	24.7	25.2	26.0	30.7	31.2	31.3	31.9	32.7
12H 4H		22.6	23.4	23.3	24.0	24.7	25.6	26.4	26.3	27.0	27.8
6H		23.8	24.5	24.5	25.1	25.9	27.9	28.5	28.6	29.2	30.0
8H		24.5	25.0	25.2	25.7	26.5	29.3	29.9	30.0	30.5	31.3
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.2				
2.0H		+ 0.2 / - 0.4					+ 0.2 / - 0.3				

CIE Pub.117, 623.9 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.6)
Area: 0.0175 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Rinno
Test Date:2025-09-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:8.068m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: MEMORIAL-420 DIM	TYPE:Wall Light	WEIGHT:
SPEC.:3000K CRI90 250mA	DIM.: 420*50*77mm	SERIAL No.:
MFR.: NSL	SUR.:350*50mm	Shielding Angle:

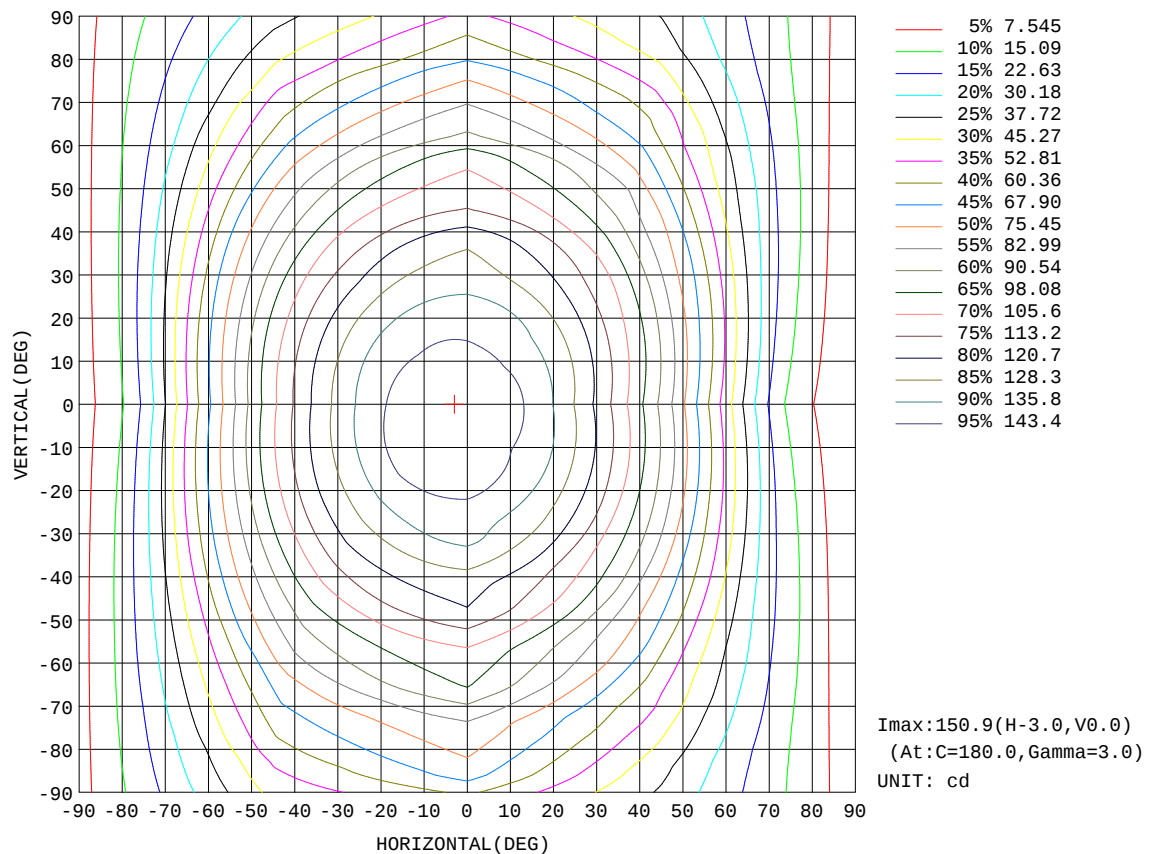
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) × RCR = 5									
k = 0.60	49	37	30	48	37	30	47	36	29	23
0.80	59	46	38	57	45	37	55	44	37	29
1.00	66	54	45	65	53	45	61	53	44	35
1.25	73	61	52	71	60	52	67	57	50	41
1.50	78	66	58	76	65	57	71	62	55	45
2.00	85	75	67	83	73	65	77	69	63	52
2.50	90	80	72	87	78	71	81	74	68	56
3.00	94	84	77	90	82	75	84	77	72	59
4.00	98	90	84	95	88	82	88	82	78	64
5.00	101	94	89	97	91	86	90	86	81	67
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Rinno
Test Date:2025-09-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:8.068m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: MEMORIAL-420 DIM	TYPE:Wall Light	WEIGHT:
SPEC.:3000K CRI90 250mA	DIM.: 420*50*77mm	SERIAL No.:
MFR.: NSL	SUR.:350*50mm	Shielding Angle:

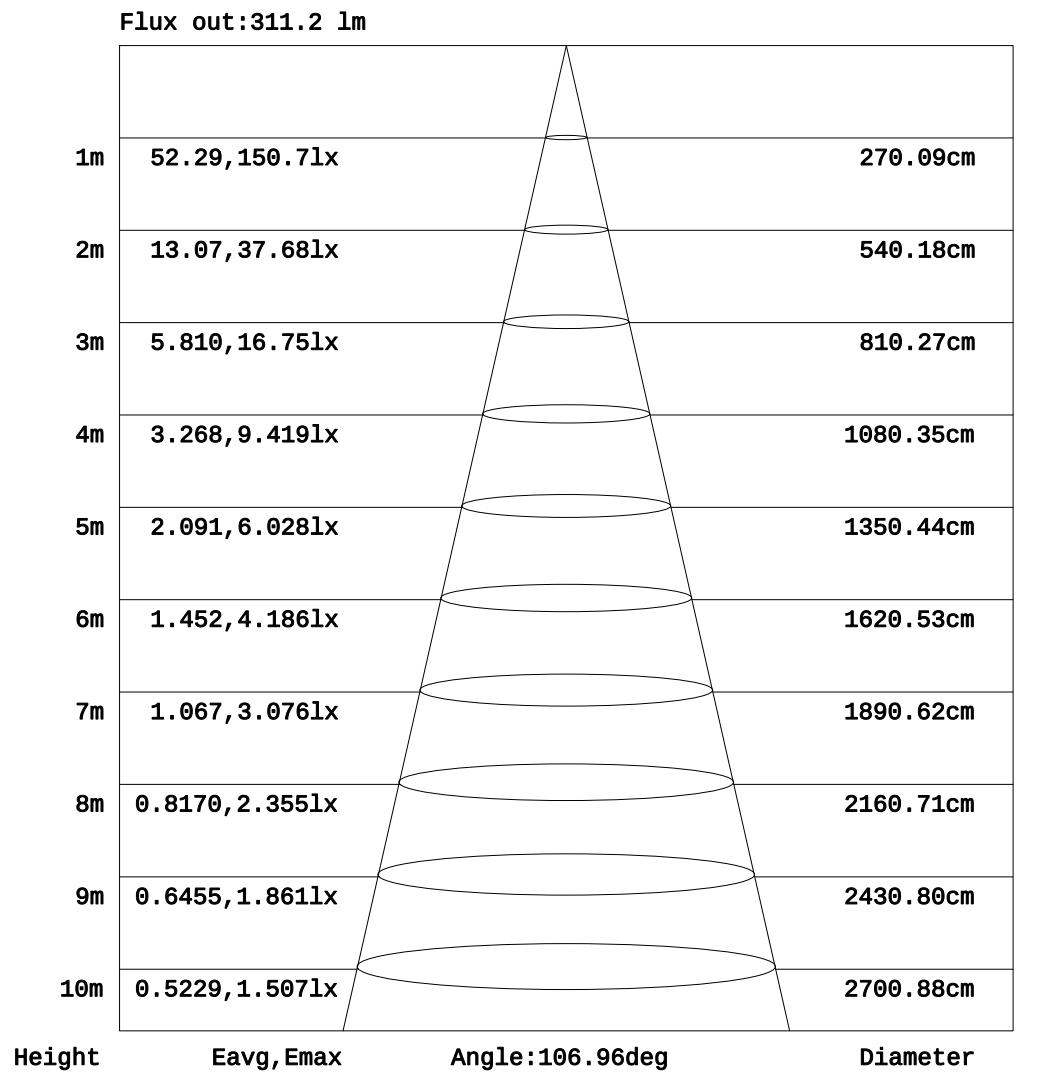


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Rinno
Test Date:2025-09-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:8.068m [K=1.0000]
Remarks:

AAI Figure

NAME: MEMORIAL-420 DIM	TYPE:Wall Light	WEIGHT:
SPEC.:3000K CRI90 250mA	DIM.: 420*50*77mm	SERIAL No.:
MFR.: NSL	SUR.:350*50mm	Shielding Angle:



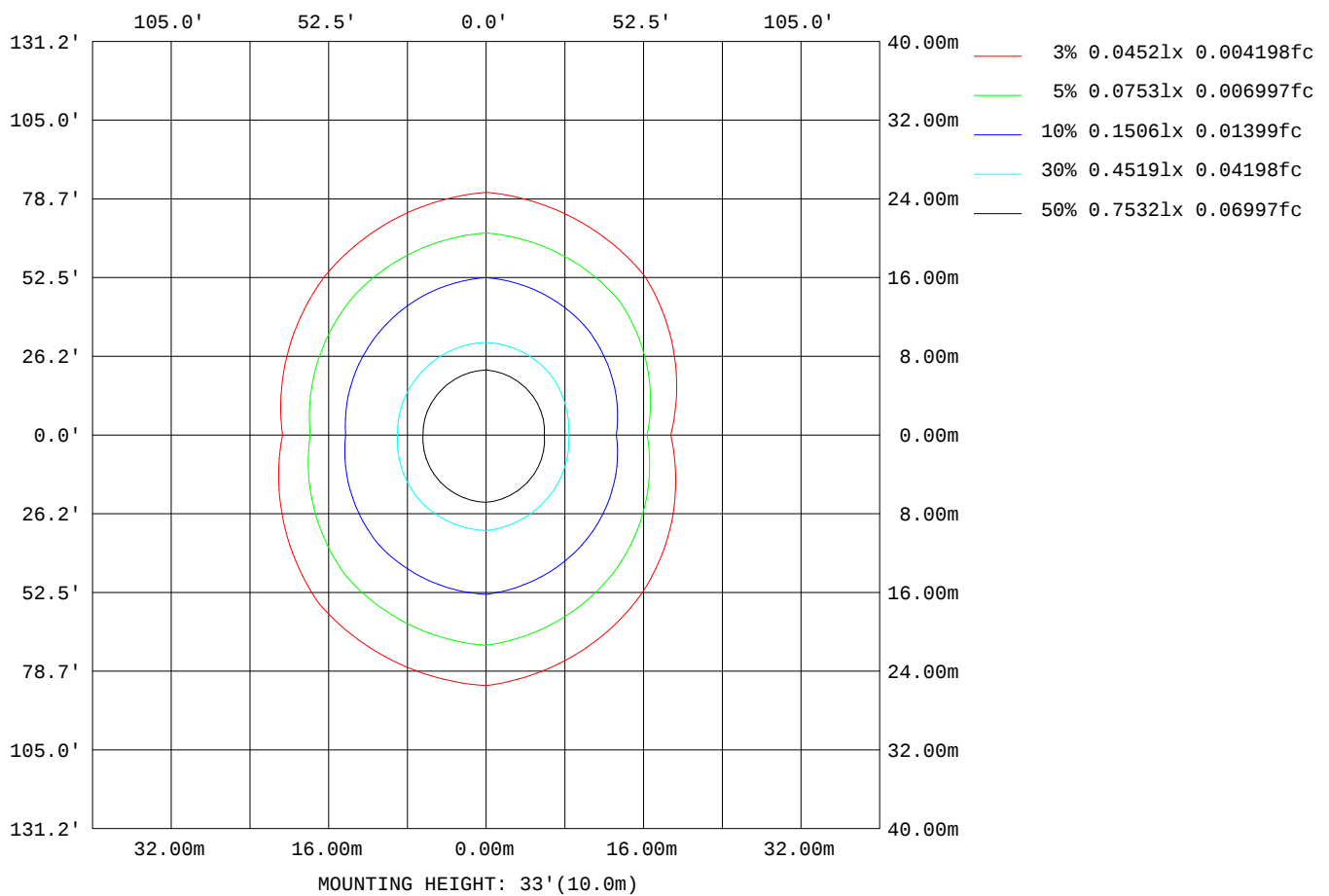
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Rinno
Test Date:2025-09-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:8.068m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME: MEMORIAL-420 DIM	TYPE:Wall Light	WEIGHT:
SPEC.:3000K CRI90 250mA	DIM.: 420*50*77mm	SERIAL No.:
MFR.: NSL	SUR.:350*50mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Rinno
Test Date:2025-09-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:8.068m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: MEMORIAL-420 DIM	TYPE:Wall Light	WEIGHT:
SPEC.:3000K CRI90 250mA	DIM.: 420*50*77mm	SERIAL No.:
MFR.: NSL	SUR.:350*50mm	Shielding Angle:

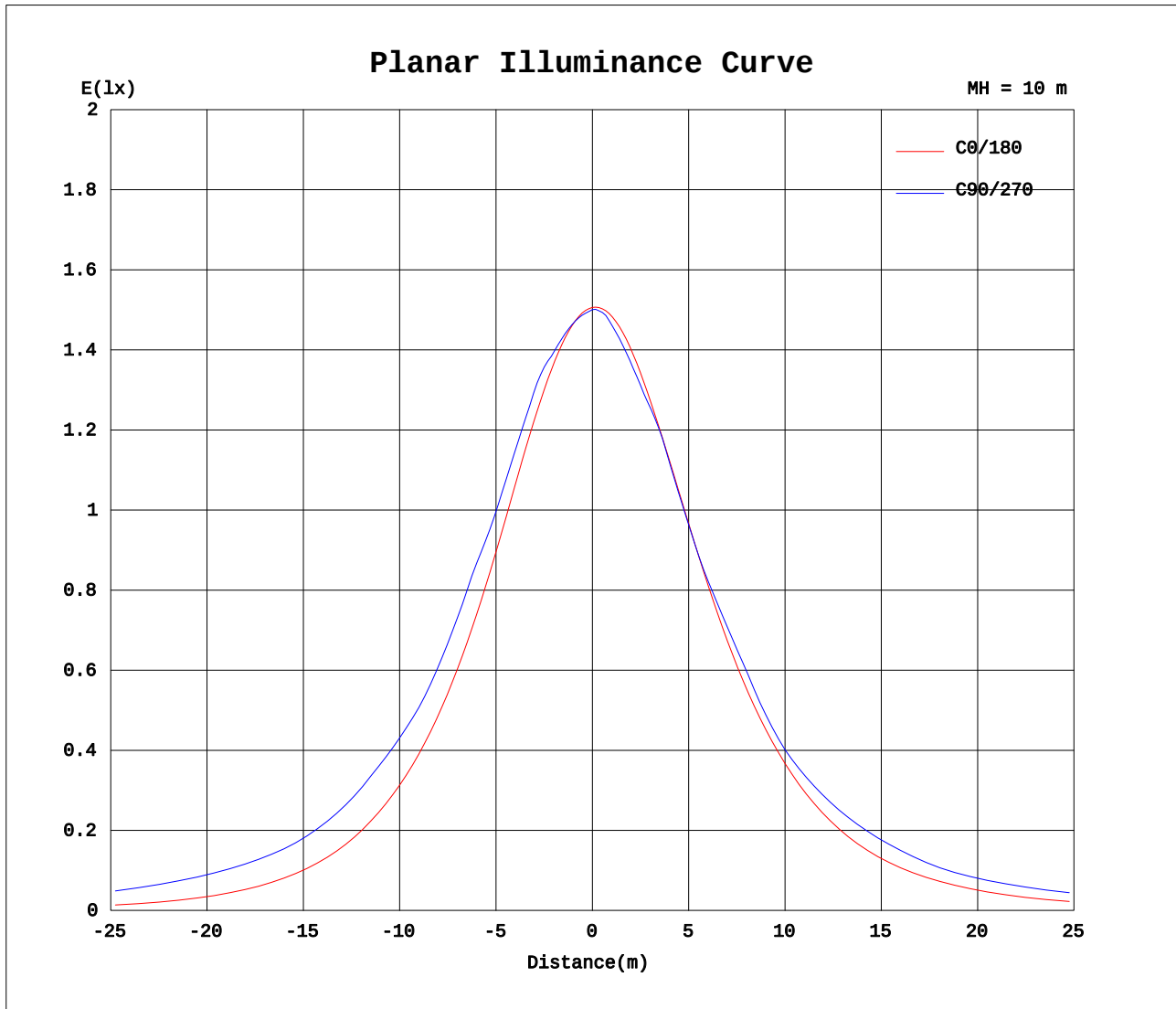
AvgL	cd/m2
L_0~180(65)av	5875
L_0~180(75)av	4109
L_0~180(85)av	4194
L_90~270(65)av	12670
L_90~270(75)av	17357
L_90~270(85)av	43701
L_45(65)av	10147
L_45(75)av	13075
L_45(85)av	29177

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Rinno
Test Date:2025-09-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:8.068m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Rinno
Test Date: 2025-09-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.417
Humidity: 65.0%
Test Distance: 8.068m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: MEMORIAL-420 DIM	TYPE:Wall Light	WEIGHT:
SPEC.:3000K CRI90 250mA	DIM.: 420*50*77mm	SERIAL No.:
MFR.: NSL	SUR.:350*50mm	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	45	90	135	180	225	270	315										
0	151	150	150	150	151	150	150	150										
5	149	149	149	149	151	150	149	149										
10	146	146	148	148	149	148	146	145										
15	141	143	149	147	146	144	143	141										
20	136	140	145	146	142	140	142	137										
25	128	135	141	141	137	136	136	132										
30	119	128	138	135	130	131	131	126										
35	110	121	133	129	123	124	129	119										
40	99.5	113	126	123	114	116	123	112										
45	88.6	104	122	116	104	109	114	105										
50	76.4	95.9	117	108	92.5	101	110	96.2										
55	62.8	86.1	108	99.5	79.6	92.0	105	87.9										
60	48.8	77.0	103	91.4	66.5	83.4	96.2	81.3										
65	34.6	69.7	98.8	84.0	52.3	74.3	88.6	72.1										
70	21.9	61.0	89.8	75.2	37.6	65.4	82.5	63.6										
75	12.9	53.9	81.5	68.0	24.3	57.3	75.8	57.6										
80	7.77	47.5	77.3	61.4	14.5	48.4	67.2	49.0										
85	4.24	41.1	72.2	53.9	8.56	41.4	61.1	41.6										
90	3.05	36.7	61.9	47.7	4.75	35.1	54.7	37.5										
95	4.07	31.6	56.1	41.9	2.67	29.7	47.6	31.3										
100	4.60	27.3	51.6	37.4	3.71	24.5	40.6	24.6										
105	4.11	23.4	46.4	31.9	4.45	18.4	35.8	21.1										
110	3.51	19.8	38.6	26.2	4.27	14.3	30.2	17.4										
115	3.03	15.9	34.6	23.0	3.92	10.9	23.1	13.3										
120	2.56	11.9	30.2	19.5	3.44	8.30	17.3	9.15										
125	2.35	8.84	24.3	14.3	3.00	7.11	13.7	7.54										
130	2.16	7.53	17.2	9.96	2.42	6.33	11.7	6.42										
135	2.05	6.53	12.8	8.27	2.15	5.19	9.26	5.35										
140	1.96	5.55	10.3	6.91	1.95	3.99	7.25	4.28										
145	1.86	4.27	8.25	5.51	1.81	2.67	5.53	3.00										
150	1.76	3.27	6.25	3.54	1.73	2.08	3.41	2.50										
155	1.63	2.69	4.07	2.65	1.66	1.70	2.68	1.88										
160	1.52	2.20	3.15	2.20	1.61	1.50	1.88	1.60										
165	1.44	1.73	2.39	1.81	1.52	1.40	1.54	1.43										
170	1.41	1.50	1.64	1.48	1.48	1.37	1.33	1.40										
175	1.47	1.47	1.34	1.41	1.46	1.37	1.35	1.42										
180	1.56	1.48	1.34	1.47	1.56	1.48	1.33	1.48										

C Range: 0 - 360DEG
C Interval: 45.0DEG
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γ Range: 0 - 180DEG
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