

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P794723

Luminaire Tested: LER6D65D010-EC6DR3055659040-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P794723  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D65D010-EC6DR3055659040-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8072.7 lumens  
Efficiency: N/A  
Efficacy: 110.9 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
CIE Type: Direct

Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

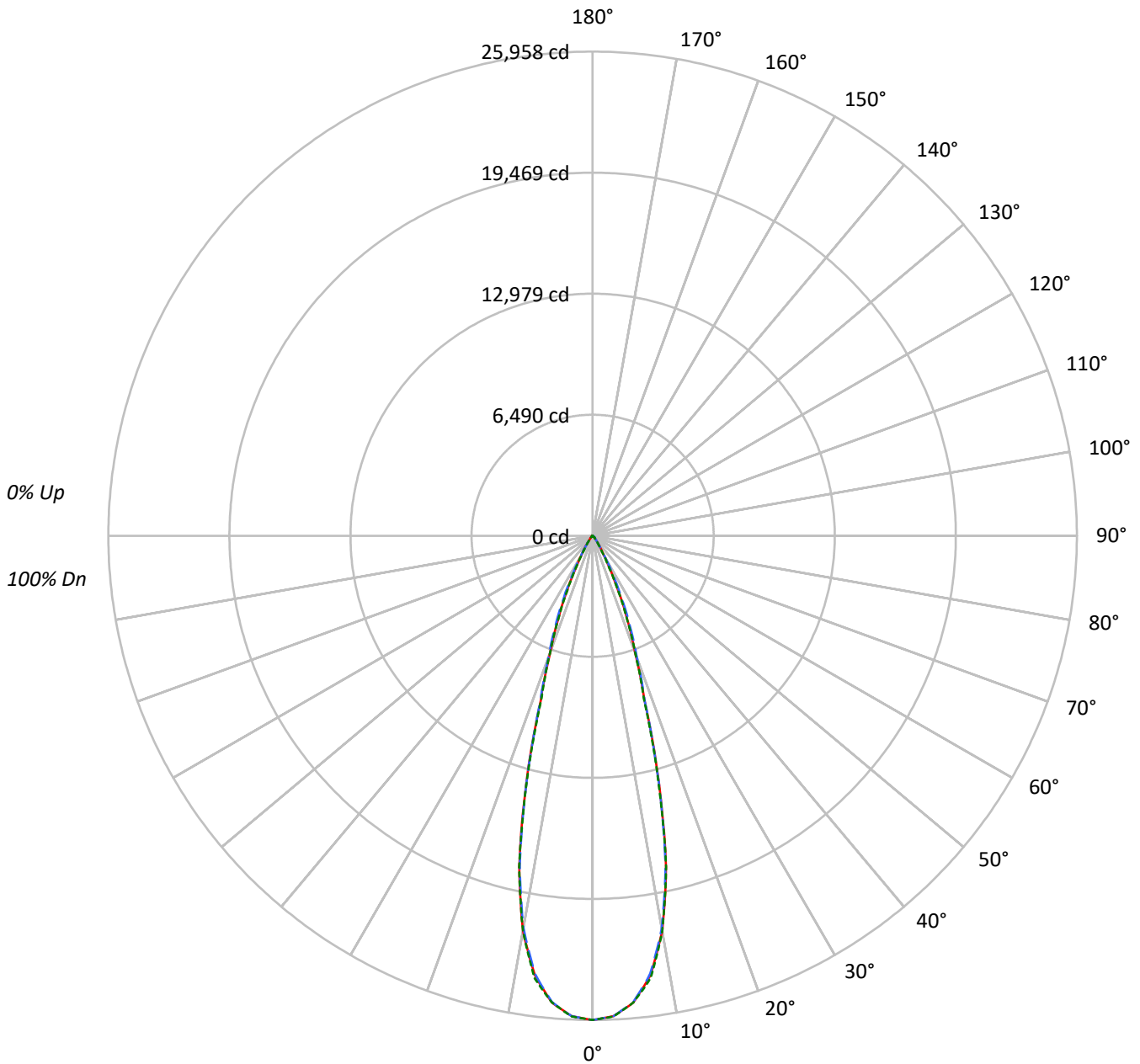


Downlight

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1986891	1986891	1986891
5°	1929846	1927595	1929946
10°	1671544	1659754	1671148
15°	1090597	1084741	1079289
20°	542300	562648	541575
25°	273174	308046	267574
30°	109376	119178	95296
35°	50730	48590	40731
40°	21903	24321	20634
45°	15447	19171	15588
50°	5311	13956	5621
55°	3056	5778	3229
60°	2143	2541	2143
65°	1376	1376	1376
70°	850	559	850
75°	0	384	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 19171 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2282.6	28.3
10°-20°	3676.1	45.5
20°-30°	1588.6	19.7
30°-40°	362.1	4.5
40°-50°	124.3	1.5
50°-60°	30.4	0.4
60°-70°	7.9	0.1
70°-80°	0.8	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7547.3	93.5
0°-40°	7909.3	98.0
0°-60°	8064.0	99.9
0°-90°	8072.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8072.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	25958	25958	25958	25958	25958	
5°	25116	25092	25087	25140	25118	2284
15°	13763	13597	13689	13644	13620	3685
25°	3234	3357	3647	3272	3168	1548
35°	543	554	520	516	436	368
45°	143	177	177	177	144	101
55°	23	24	43	26	24	22
65°	8	8	8	8	8	7
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	25957.7	25957.7	25957.7	25957.7	25957.7
2.5°	25785.6	25767.8	25778.0	25790.7	25795.8
5°	25116.5	25092.3	25087.2	25139.5	25117.8
7.5°	23766.9	23732.5	23680.2	23798.8	23909.6
10°	21506.1	21467.8	21354.4	21410.5	21501.0
12.5°	18168.3	18044.7	18042.1	18220.6	18196.4
15°	13762.6	13596.9	13688.7	13644.1	13619.9
17.5°	9254.9	9191.2	9313.6	9276.6	9117.3
20°	6657.6	6674.2	6907.4	6790.2	6648.7
22.5°	4858.1	4918.0	5194.6	4892.5	4781.7
25°	3234.5	3356.9	3647.4	3271.5	3168.2
27.5°	1989.4	2045.5	2339.9	1963.9	1907.8
30°	1237.5	1209.4	1348.4	1157.2	1078.2
32.5°	811.8	776.1	820.7	736.6	672.9
35°	542.9	554.4	520.0	516.1	435.9
37.5°	339.0	390.0	344.1	367.0	280.4
40°	219.2	282.9	243.4	268.9	206.5
42.5°	179.7	217.9	200.1	212.8	183.5
45°	142.7	177.1	177.1	177.1	144.0
47.5°	79.0	118.5	151.7	121.1	84.1
50°	44.6	59.9	117.2	62.4	47.2
52.5°	30.6	34.4	80.3	35.7	31.9
55°	22.9	24.2	43.3	25.5	24.2
57.5°	17.8	19.1	22.9	19.1	17.8
60°	14.0	14.0	16.6	15.3	14.0
62.5°	10.2	10.2	11.5	10.2	10.2
65°	7.6	7.6	7.6	7.6	7.6
67.5°	3.8	5.1	5.1	5.1	5.1
70°	3.8	2.5	2.5	2.5	3.8
72.5°	2.5	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

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(END OF REPORT)