

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: P759168

Luminaire Tested: LD6D08D010-EU6DR300210IC9027-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P759168  
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: LD6D08D010-EU6DR300210IC9027-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 773.9 lumens  
Efficiency: N/A  
Efficacy: 87.0 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): 8.9  
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

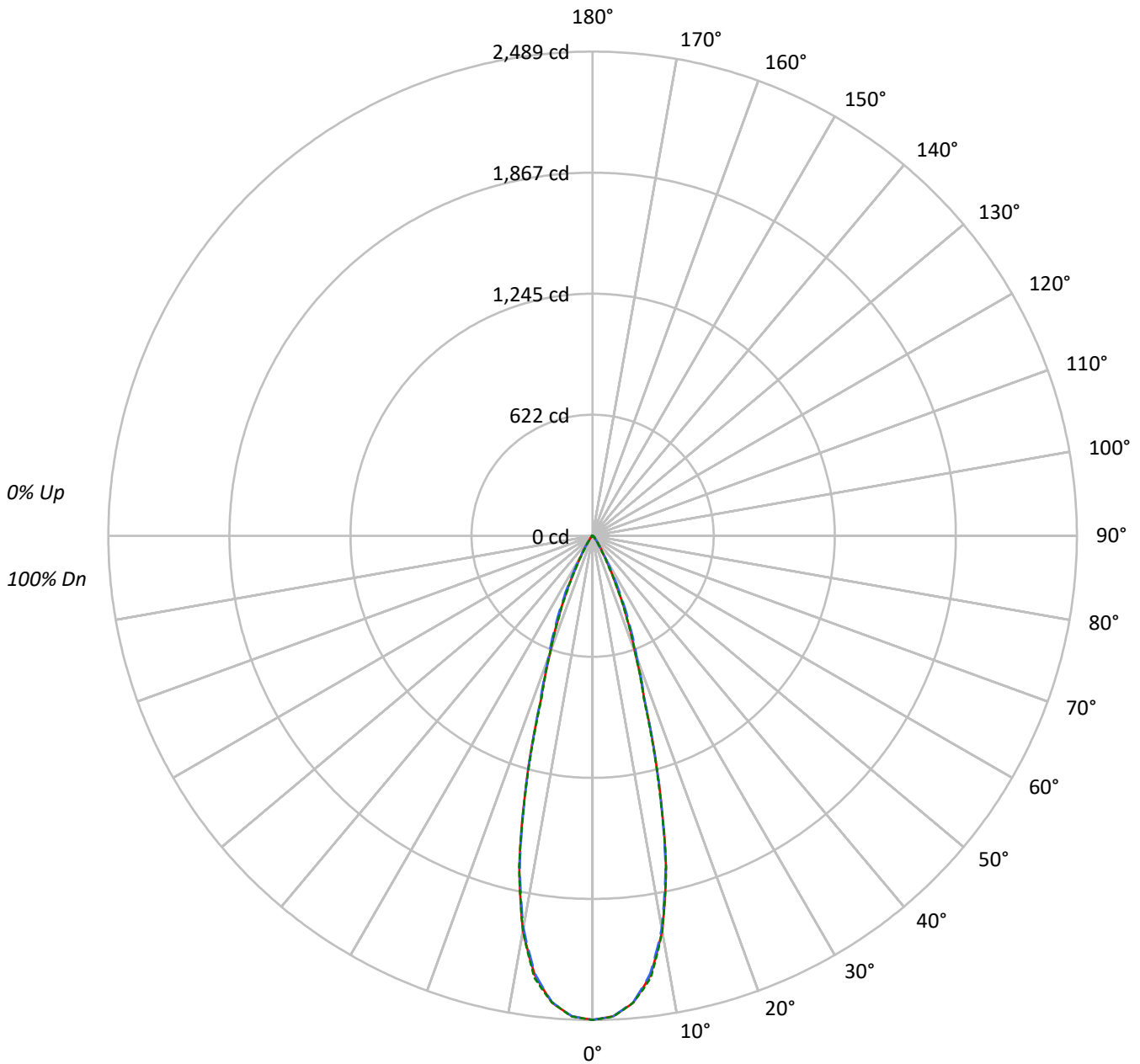


Downlight



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

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

	0°	45°	90°
0°	190486	190486	190486
5°	185021	184805	185028
10°	160252	159125	160221
15°	104554	103991	103476
20°	51993	53940	51920
25°	26190	29534	25649
30°	10491	11428	9139
35°	4859	4653	3906
40°	2098	2328	1978
45°	1483	1840	1494
50°	512	1334	536
55°	294	560	307
60°	199	245	199
65°	127	127	127
70°	67	45	67
75°	0	30	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 1840 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	218.8	28.3
10°-20°	352.4	45.5
20°-30°	152.3	19.7
30°-40°	34.7	4.5
40°-50°	11.9	1.5
50°-60°	2.9	0.4
60°-70°	0.7	0.1
70°-80°	0.1	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°	723.6	93.5
0°-40°	758.3	98.0
0°-60°	773.1	99.9
0°-90°	773.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	773.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2489	2489	2489	2489	2489	
5°	2408	2406	2405	2410	2408	219
15°	1319	1304	1312	1308	1306	353
25°	310	322	350	314	304	148
35°	52	53	50	50	42	35
45°	14	17	17	17	14	10
55°	2	2	4	2	2	2
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
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°	2488.6	2488.6	2488.6	2488.6	2488.6
2.5°	2472.1	2470.4	2471.4	2472.6	2473.1
5°	2408.0	2405.6	2405.2	2410.2	2408.1
7.5°	2278.6	2275.3	2270.3	2281.7	2292.3
10°	2061.8	2058.2	2047.3	2052.7	2061.4
12.5°	1741.8	1730.0	1729.7	1746.9	1744.5
15°	1319.4	1303.6	1312.3	1308.1	1305.8
17.5°	887.3	881.2	892.9	889.4	874.1
20°	638.3	639.9	662.2	651.0	637.4
22.5°	465.8	471.5	498.0	469.1	458.4
25°	310.1	321.8	349.7	313.6	303.7
27.5°	190.7	196.1	224.3	188.3	182.9
30°	118.7	116.0	129.3	110.9	103.4
32.5°	77.8	74.4	78.7	70.6	64.5
35°	52.0	53.2	49.8	49.5	41.8
37.5°	32.5	37.4	33.0	35.2	26.9
40°	21.0	27.1	23.3	25.8	19.8
42.5°	17.2	20.9	19.2	20.4	17.6
45°	13.7	17.0	17.0	17.0	13.8
47.5°	7.6	11.3	14.6	11.6	8.1
50°	4.3	5.7	11.2	6.0	4.5
52.5°	2.9	3.3	7.7	3.4	3.0
55°	2.2	2.3	4.2	2.5	2.3
57.5°	1.7	1.8	2.2	1.8	1.7
60°	1.3	1.3	1.6	1.5	1.3
62.5°	1.0	1.0	1.1	1.0	1.0
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.3	0.5	0.5	0.5	0.5
70°	0.3	0.2	0.2	0.2	0.3
72.5°	0.2	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	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



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Scaled Data Report







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

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