

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: P768209

Luminaire Tested: LD6D55D010-EU6DR4555659035-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P768209  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D55D010-EU6DR4555659035-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 45° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6643.3 lumens  
Efficiency: N/A  
Efficacy: 114.1 lumens/watt  
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

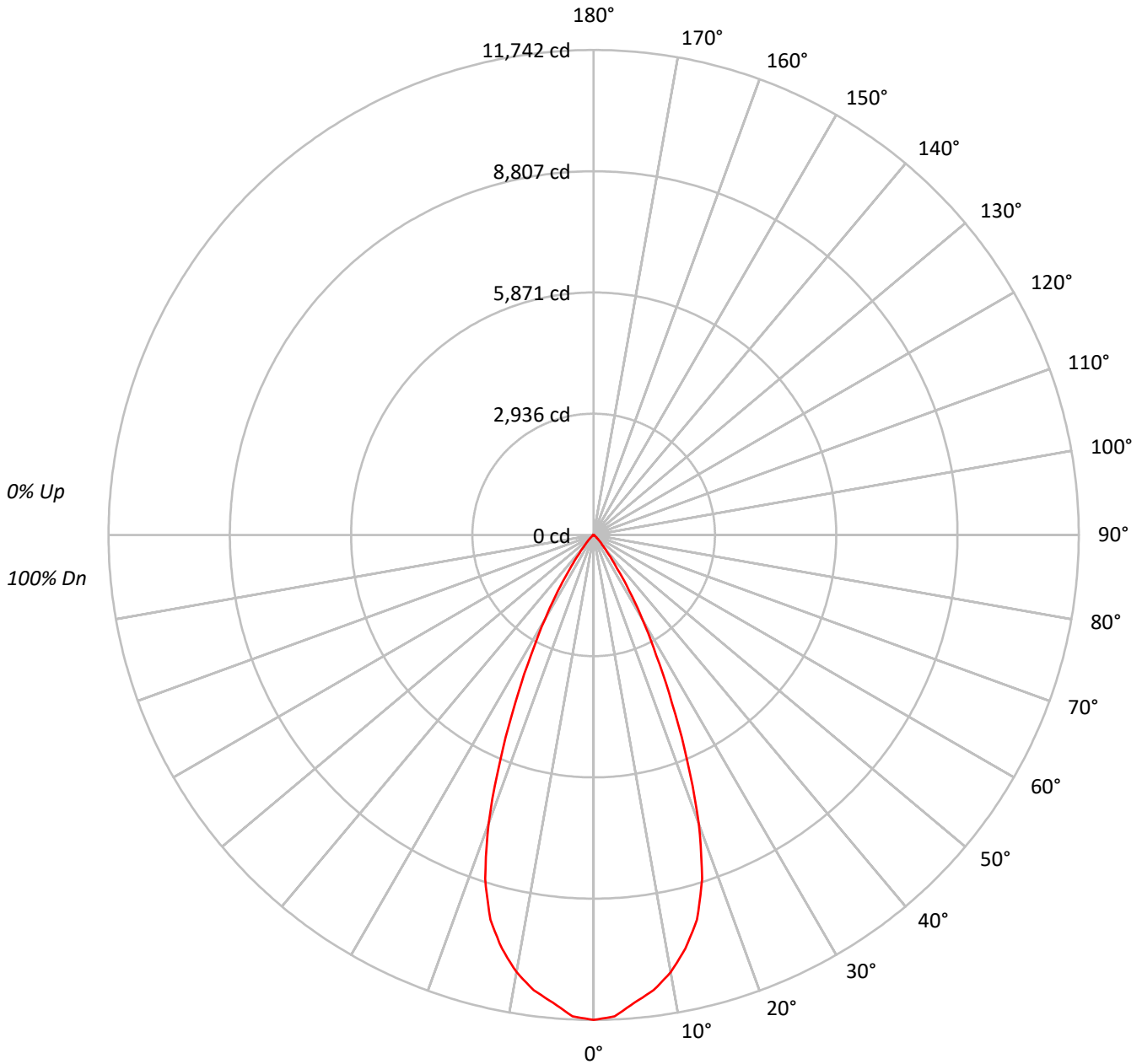
Input Watts (W): 58.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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### Luminous Intensity Polar Plot





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

RF	20					20					20					20					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			
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95					95			
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90					90			
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85					85			
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81					81			
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77					77			
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73					73			
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69					69			
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66					66			
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63					63			
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60					60			

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

	0°
0°	1282951
5°	1246426
10°	1192495
15°	1091379
20°	865849
25°	540561
30°	297935
35°	133783
40°	52687
45°	24831
50°	11780
55°	6153
60°	3037
65°	724
70°	288
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 24831 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1067.8	16.1
10°-20°	2628.0	39.6
20°-30°	2081.1	31.3
30°-40°	693.0	10.4
40°-50°	137.5	2.1
50°-60°	31.2	0.5
60°-70°	4.5	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°	5776.9	87.0
0°-40°	6469.9	97.4
0°-60°	6638.7	99.9
0°-90°	6643.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6643.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11742	
5°	11364	###
15°	9648	2628
25°	4484	2081
35°	1003	693
45°	161	138
55°	32	31
65°	3	5
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	11742.1
2.5°	11665.5
5°	11364.4
7.5°	11116.0
10°	10748.4
12.5°	10258.9
15°	9648.4
17.5°	8730.4
20°	7446.7
22.5°	5917.2
25°	4483.9
27.5°	3283.3
30°	2361.5
32.5°	1606.1
35°	1003.0
37.5°	594.8
40°	369.4
42.5°	242.9
45°	160.7
47.5°	103.4
50°	69.3
52.5°	46.2
55°	32.3
57.5°	21.2
60°	13.9
62.5°	7.4
65°	2.8
67.5°	0.9
70°	0.9
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)