

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: P768496

Luminaire Tested: LD6D55D010-EU6DR6555659027-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P768496  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D55D010-EU6DR6555659027-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5829.4 lumens  
Efficiency: N/A  
Efficacy: 100.2 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct

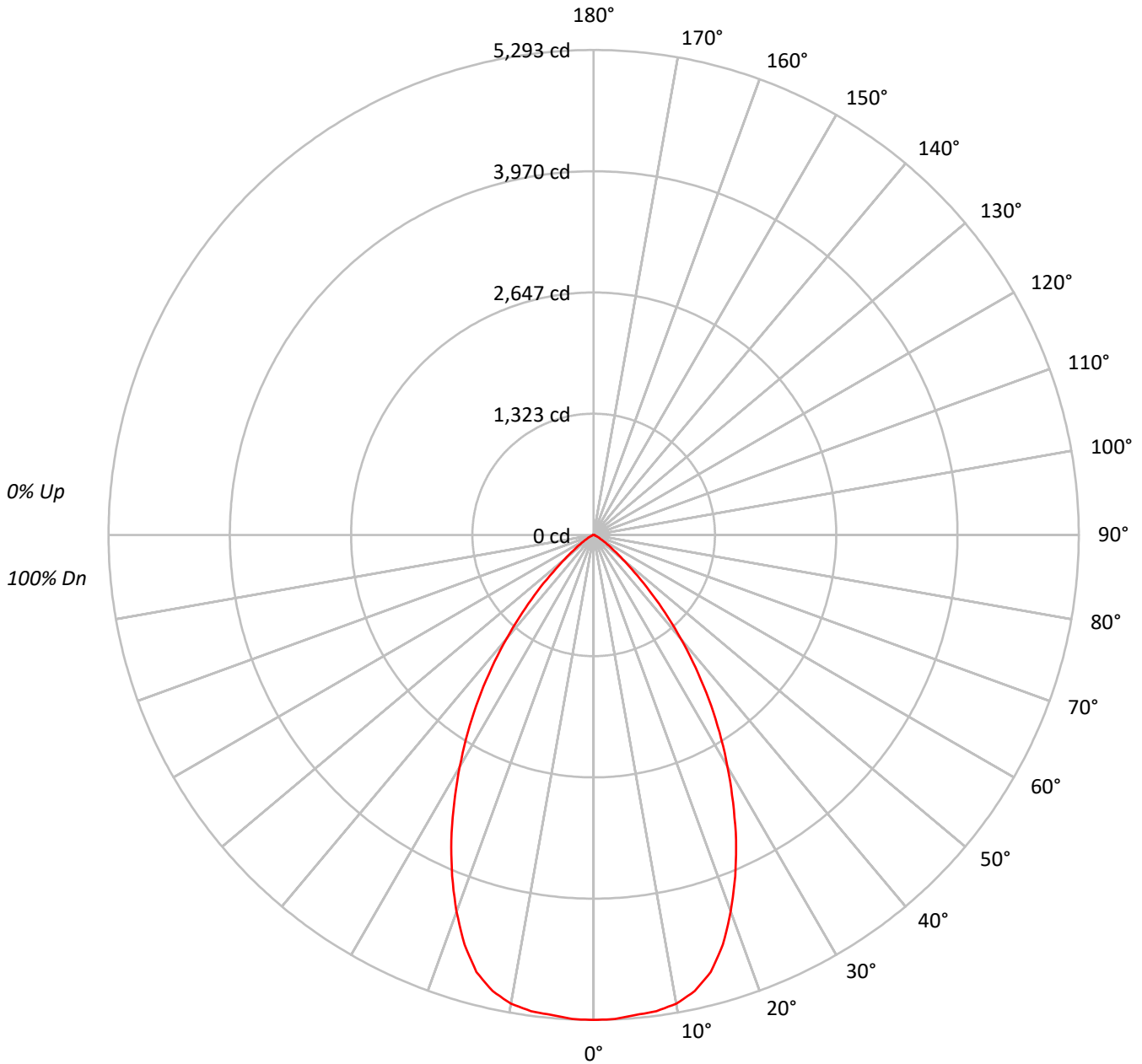
Input Watts (W): 58.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93	93	93	93
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	85	85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78	78	78	78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72	72	72	72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66	66	66	66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61	61	61	61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56	56	56	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52	52	52	52
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49	49	49	49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46	46	46	46

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

	0°
0°	309132
5°	308349
10°	308089
15°	298590
20°	271828
25°	236881
30°	197016
35°	156107
40°	112669
45°	71181
50°	37098
55°	19723
60°	10361
65°	5694
70°	2391
75°	2640
80°	1816
85°	1541

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 71181 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	500.5	8.6
10°-20°	1370.7	23.5
20°-30°	1675.5	28.7
30°-40°	1359.4	23.3
40°-50°	677.4	11.6
50°-60°	189.0	3.2
60°-70°	42.9	0.7
70°-80°	11.2	0.2
80°-90°	2.9	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°	3546.7	60.8
0°-40°	4906.1	84.2
0°-60°	5772.5	99.0
0°-90°	5829.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5829.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5293	
5°	5260	501
15°	4938	1371
25°	3676	1675
35°	2190	1359
45°	862	677
55°	194	189
65°	41	43
75°	12	11
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5293.0
2.5°	5289.1
5°	5259.5
7.5°	5242.4
10°	5195.0
12.5°	5098.5
15°	4938.3
17.5°	4687.9
20°	4373.6
22.5°	4034.5
25°	3675.9
27.5°	3292.5
30°	2921.4
32.5°	2555.1
35°	2189.5
37.5°	1824.7
40°	1477.8
42.5°	1152.7
45°	861.8
47.5°	600.5
50°	408.3
52.5°	281.6
55°	193.7
57.5°	130.7
60°	88.7
62.5°	61.4
65°	41.2
67.5°	21.0
70°	14.0
72.5°	13.2
75°	11.7
77.5°	7.8
80°	5.4
82.5°	3.9
85°	2.3
87.5°	1.6
90°	0.0

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)