

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: P767985

Luminaire Tested: LD6D55D010-EU6DR3055659040-6LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P767985  
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: LD6D55D010-EU6DR3055659040-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6725.7 lumens  
Efficiency: N/A  
Efficacy: 115.6 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

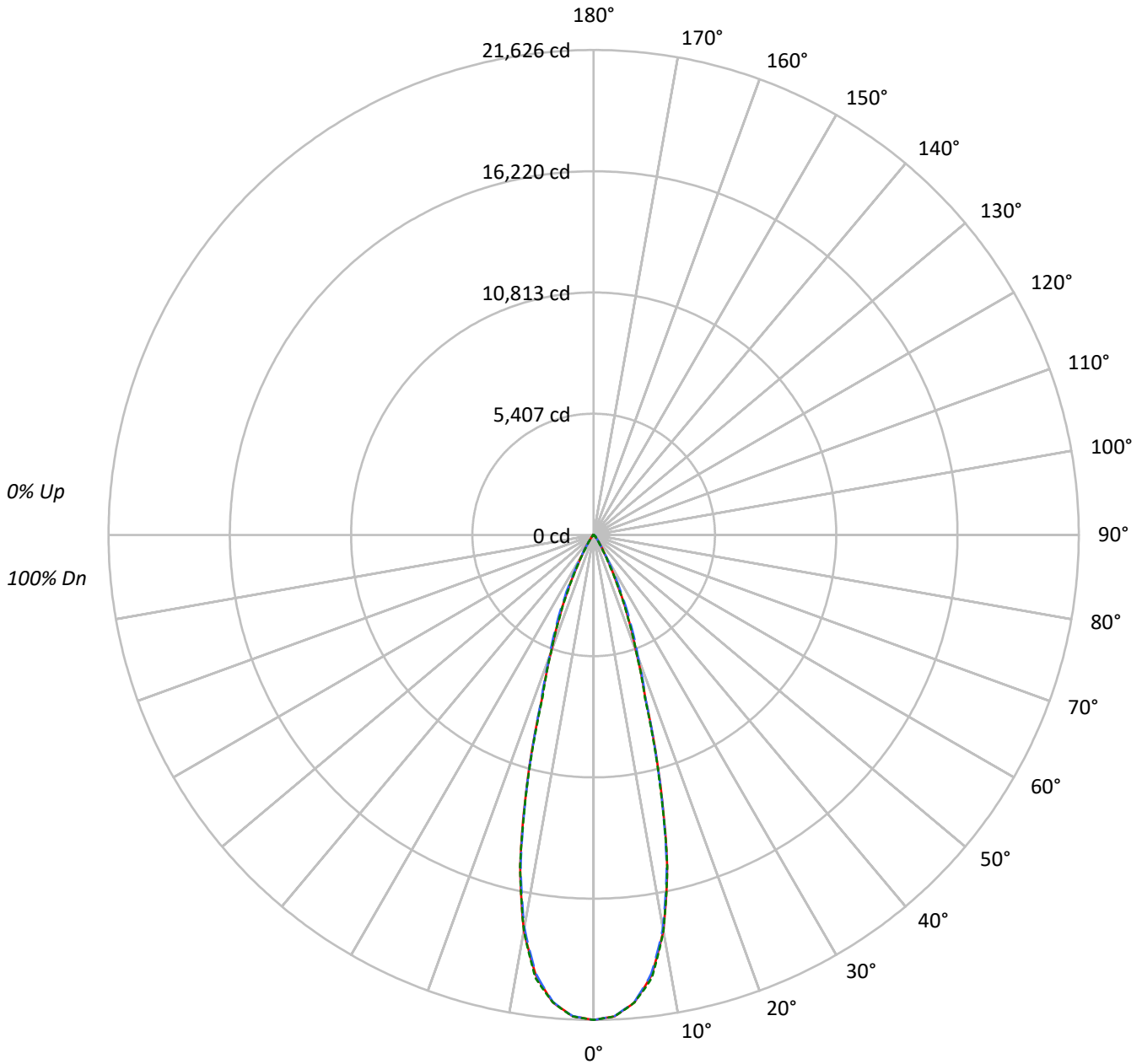
Input Watts (W): 58.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
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°	1655350	1655350	1655350
5°	1607827	1605952	1607912
10°	1392623	1382799	1392289
15°	908615	903733	899192
20°	451811	468762	451208
25°	227593	256646	222931
30°	91125	99291	79396
35°	42264	40479	33929
40°	18245	20264	17186
45°	12871	15978	12990
50°	4430	11634	4680
55°	2549	4818	2696
60°	1791	2113	1791
65°	1159	1159	1159
70°	716	470	716
75°	0	325	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 15978 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1901.7	28.3
10°-20°	3062.7	45.5
20°-30°	1323.5	19.7
30°-40°	301.6	4.5
40°-50°	103.6	1.5
50°-60°	25.3	0.4
60°-70°	6.6	0.1
70°-80°	0.7	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°	6287.9	93.5
0°-40°	6589.5	98.0
0°-60°	6718.4	99.9
0°-90°	6725.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6725.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	21626	21626	21626	21626	21626	
5°	20926	20905	20901	20945	20927	1903
15°	11466	11328	11404	11367	11347	3070
25°	2695	2797	3039	2726	2640	1290
35°	452	462	433	430	363	307
45°	119	148	148	148	120	84
55°	19	20	36	21	20	19
65°	6	6	6	6	6	6
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	21626.3	21626.3	21626.3	21626.3	21626.3
2.5°	21482.9	21468.1	21476.6	21487.2	21491.4
5°	20925.5	20905.3	20901.1	20944.6	20926.6
7.5°	19801.1	19772.4	19728.9	19827.6	19920.0
10°	17917.5	17885.6	17791.1	17837.9	17913.2
12.5°	15136.7	15033.7	15031.6	15180.2	15160.1
15°	11466.1	11328.1	11404.5	11367.4	11347.2
17.5°	7710.6	7657.5	7759.5	7728.7	7596.0
20°	5546.7	5560.5	5754.8	5657.1	5539.3
22.5°	4047.5	4097.4	4327.8	4076.2	3983.8
25°	2694.8	2796.7	3038.8	2725.6	2639.6
27.5°	1657.4	1704.2	1949.4	1636.2	1589.5
30°	1031.0	1007.6	1123.4	964.1	898.3
32.5°	676.4	646.6	683.8	613.7	560.6
35°	452.3	461.9	433.2	430.0	363.1
37.5°	282.4	324.9	286.7	305.8	233.6
40°	182.6	235.7	202.8	224.0	172.0
42.5°	149.7	181.6	166.7	177.3	152.9
45°	118.9	147.6	147.6	147.6	120.0
47.5°	65.8	98.7	126.4	100.9	70.1
50°	37.2	49.9	97.7	52.0	39.3
52.5°	25.5	28.7	66.9	29.7	26.5
55°	19.1	20.2	36.1	21.2	20.2
57.5°	14.9	15.9	19.1	15.9	14.9
60°	11.7	11.7	13.8	12.7	11.7
62.5°	8.5	8.5	9.6	8.5	8.5
65°	6.4	6.4	6.4	6.4	6.4
67.5°	3.2	4.2	4.2	4.2	4.2
70°	3.2	2.1	2.1	2.1	3.2
72.5°	2.1	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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

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

Scaled Data Report



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Scaled Data Report







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

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