

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: P767977

Luminaire Tested: LD6D55D010-EU6DR3055659035-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P767977  
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-EU6DR3055659035-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7101.6 lumens  
Efficiency: N/A  
Efficacy: 122.0 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

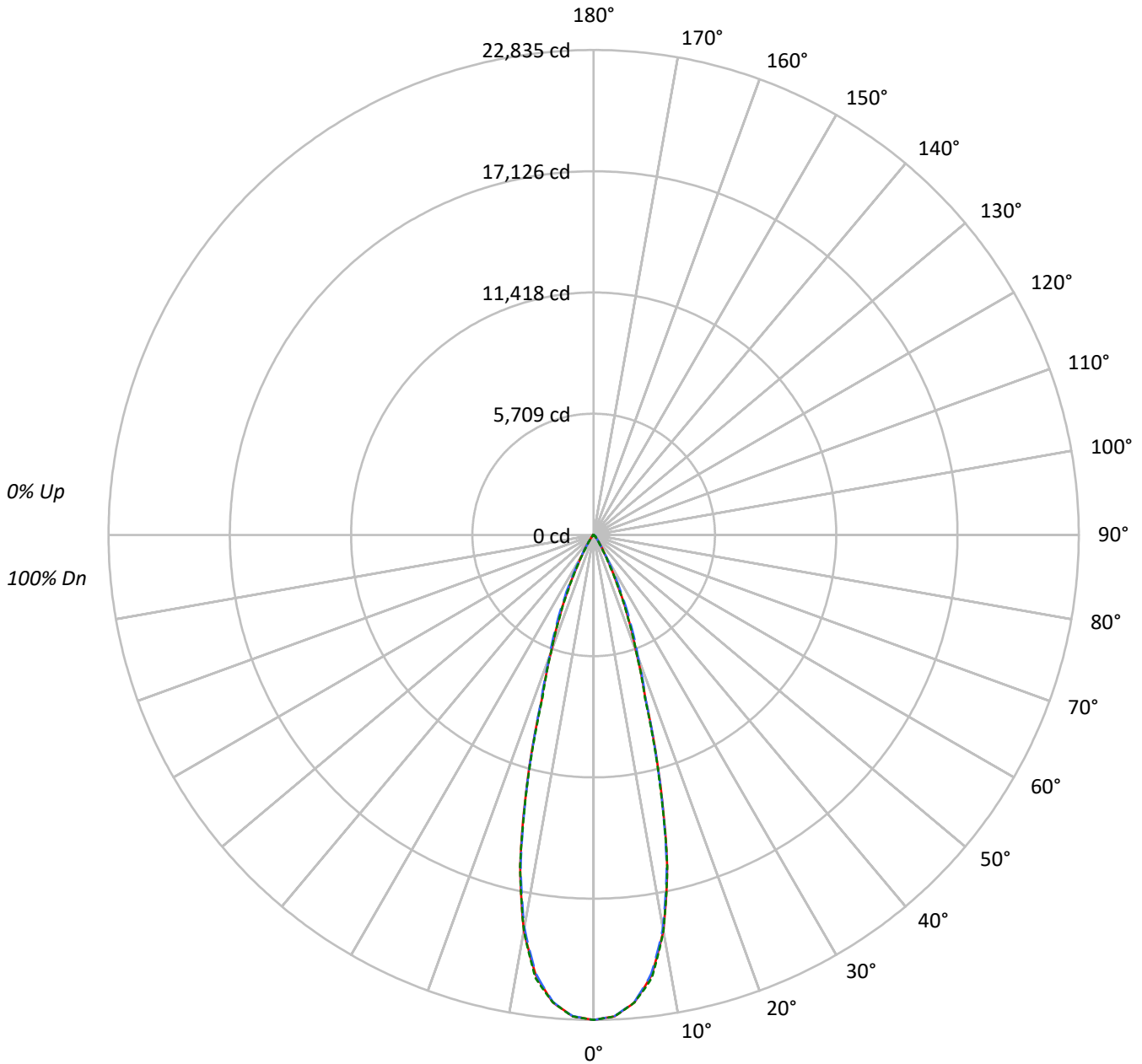
Input Watts (W): 58.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	1747876	1747876	1747876
5°	1697702	1695720	1697786
10°	1470464	1460096	1470122
15°	959410	954251	949457
20°	477070	494966	476427
25°	240312	270995	235388
30°	96216	104842	83833
35°	44628	42740	35826
40°	19265	21393	18146
45°	13596	16865	13715
50°	4668	12277	4942
55°	2696	5084	2842
60°	1883	2235	1883
65°	1213	1213	1213
70°	761	492	761
75°	0	325	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 16865 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2008.0	28.3
10°-20°	3233.9	45.5
20°-30°	1397.5	19.7
30°-40°	318.5	4.5
40°-50°	109.4	1.5
50°-60°	26.7	0.4
60°-70°	6.9	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°	6639.4	93.5
0°-40°	6957.9	98.0
0°-60°	7094.0	99.9
0°-90°	7101.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7101.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	22835	22835	22835	22835	22835	
5°	22095	22074	22069	22115	22096	2010
15°	12107	11961	12042	12003	11982	3242
25°	2845	2953	3209	2878	2787	1362
35°	478	488	457	454	383	324
45°	126	156	156	156	127	89
55°	20	21	38	22	21	20
65°	7	7	7	7	7	7
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°	22835.1	22835.1	22835.1	22835.1	22835.1
2.5°	22683.8	22668.1	22677.1	22688.3	22692.8
5°	22095.2	22073.9	22069.4	22115.4	22096.3
7.5°	20907.9	20877.7	20831.7	20935.9	21033.5
10°	18919.0	18885.4	18785.6	18835.0	18914.6
12.5°	15982.8	15874.1	15871.8	16028.8	16007.5
15°	12107.1	11961.3	12042.0	12002.8	11981.5
17.5°	8141.6	8085.6	8193.2	8160.7	8020.6
20°	5856.8	5871.3	6076.5	5973.4	5848.9
22.5°	4273.7	4326.4	4569.7	4304.0	4206.5
25°	2845.4	2953.1	3208.7	2877.9	2787.1
27.5°	1750.1	1799.4	2058.4	1727.7	1678.3
30°	1088.6	1064.0	1186.2	1018.0	948.5
32.5°	714.2	682.8	722.0	648.0	592.0
35°	477.6	487.7	457.4	454.1	383.4
37.5°	298.2	343.1	302.7	322.9	246.6
40°	192.8	248.9	214.1	236.6	181.6
42.5°	158.1	191.7	176.0	187.2	161.4
45°	125.6	155.8	155.8	155.8	126.7
47.5°	69.5	104.3	133.4	106.5	74.0
50°	39.2	52.7	103.1	54.9	41.5
52.5°	26.9	30.3	70.6	31.4	28.0
55°	20.2	21.3	38.1	22.4	21.3
57.5°	15.7	16.8	20.2	16.8	15.7
60°	12.3	12.3	14.6	13.5	12.3
62.5°	9.0	9.0	10.1	9.0	9.0
65°	6.7	6.7	6.7	6.7	6.7
67.5°	3.4	4.5	4.5	4.5	4.5
70°	3.4	2.2	2.2	2.2	3.4
72.5°	2.2	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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