

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: P757959

Luminaire Tested: LD6D05D010-EU6DR150210IC9040-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P757959  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D05D010-EU6DR150210IC9040-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 762.1 lumens  
Efficiency: N/A  
Efficacy: 101.6 lumens/watt  
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23  
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')  
CIE Type: Direct

Input Watts (W): 7.5  
Input Voltage (V): NR  
Input Current (Ain): 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

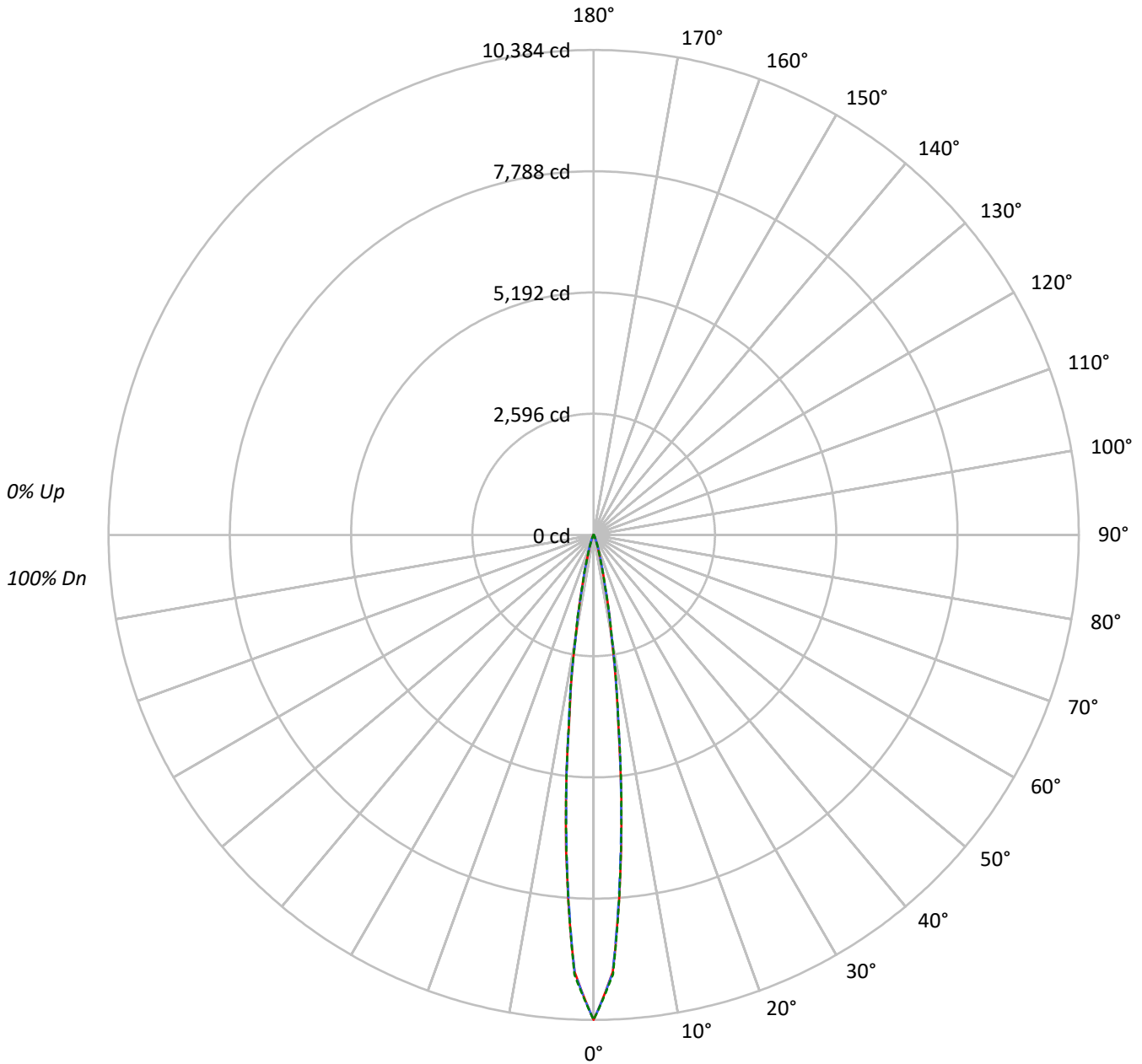


Downlight



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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	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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

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

	0°	45°	90°
0°	1168407	1168407	1168407
5°	686615	677723	683078
10°	204922	206359	209513
15°	50976	51966	50360
20°	15252	17657	15571
25°	5375	6847	5445
30°	1977	2598	2007
35°	988	1118	959
40°	625	689	625
45°	462	490	462
50°	369	369	369
55°	306	306	306
60°	246	246	246
65°	186	186	186
70°	161	161	161
75°	98	98	136
80°	71	71	71
85°	33	33	33

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 490 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	494.3	64.9
10°-20°	203.3	26.7
20°-30°	40.4	5.3
30°-40°	10.1	1.3
40°-50°	5.3	0.7
50°-60°	3.9	0.5
60°-70°	2.8	0.4
70°-80°	1.6	0.2
80°-90°	0.5	0.1
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°	738.0	96.8
0°-40°	748.1	98.2
0°-60°	757.3	99.4
0°-90°	762.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	762.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10384	10384	10384	10384	10384	
5°	6756	6687	6669	6715	6721	493
15°	587	598	598	588	580	201
25°	69	78	88	78	70	36
35°	14	14	15	14	13	9
45°	7	7	7	7	7	5
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
75°	1	1	1	1	2	2
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°	10384.0	10384.0	10384.0	10384.0	10384.0
2.5°	9366.8	9374.7	9377.8	9387.0	9421.3
5°	6756.1	6686.6	6668.6	6714.7	6721.3
7.5°	4002.0	4016.1	4067.5	4079.0	4037.6
10°	2196.2	2214.2	2211.6	2227.4	2245.4
12.5°	1123.2	1109.1	1104.7	1122.7	1097.7
15°	586.9	597.8	598.3	587.7	579.8
17.5°	315.6	328.4	349.5	332.3	306.0
20°	186.4	197.8	215.8	201.8	190.3
22.5°	115.2	124.4	137.2	126.2	116.9
25°	69.0	78.2	87.9	77.8	69.9
27.5°	40.9	48.8	54.9	48.4	40.4
30°	26.4	30.8	34.7	30.3	26.8
32.5°	18.5	20.2	22.0	20.2	18.5
35°	13.6	14.5	15.4	14.5	13.2
37.5°	10.6	11.4	11.9	11.0	10.1
40°	8.8	9.2	9.7	9.2	8.8
42.5°	7.5	7.9	7.9	7.9	7.5
45°	6.6	6.6	7.0	6.6	6.6
47.5°	5.7	5.7	6.2	5.7	5.7
50°	5.3	5.3	5.3	5.3	5.3
52.5°	4.8	4.8	4.8	4.8	4.8
55°	4.4	4.4	4.4	4.4	4.4
57.5°	4.0	4.0	4.0	4.0	4.0
60°	3.5	3.5	3.5	3.5	3.5
62.5°	3.1	3.1	3.1	3.1	3.1
65°	2.6	2.6	2.6	2.6	2.6
67.5°	2.6	2.6	2.6	2.6	2.6
70°	2.2	2.2	2.2	2.2	2.2
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.3	1.3	1.3	1.3	1.8
77.5°	1.3	1.3	1.3	1.3	1.3
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.4	0.4	0.4	0.4	0.4
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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(END OF REPORT)