

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: P768765

Luminaire Tested: LD6D60D010-EU6DR3055659040-6LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P768765  
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: LD6D60D010-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: 7395.8 lumens  
Efficiency: N/A  
Efficacy: 114.8 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): 64.4  
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

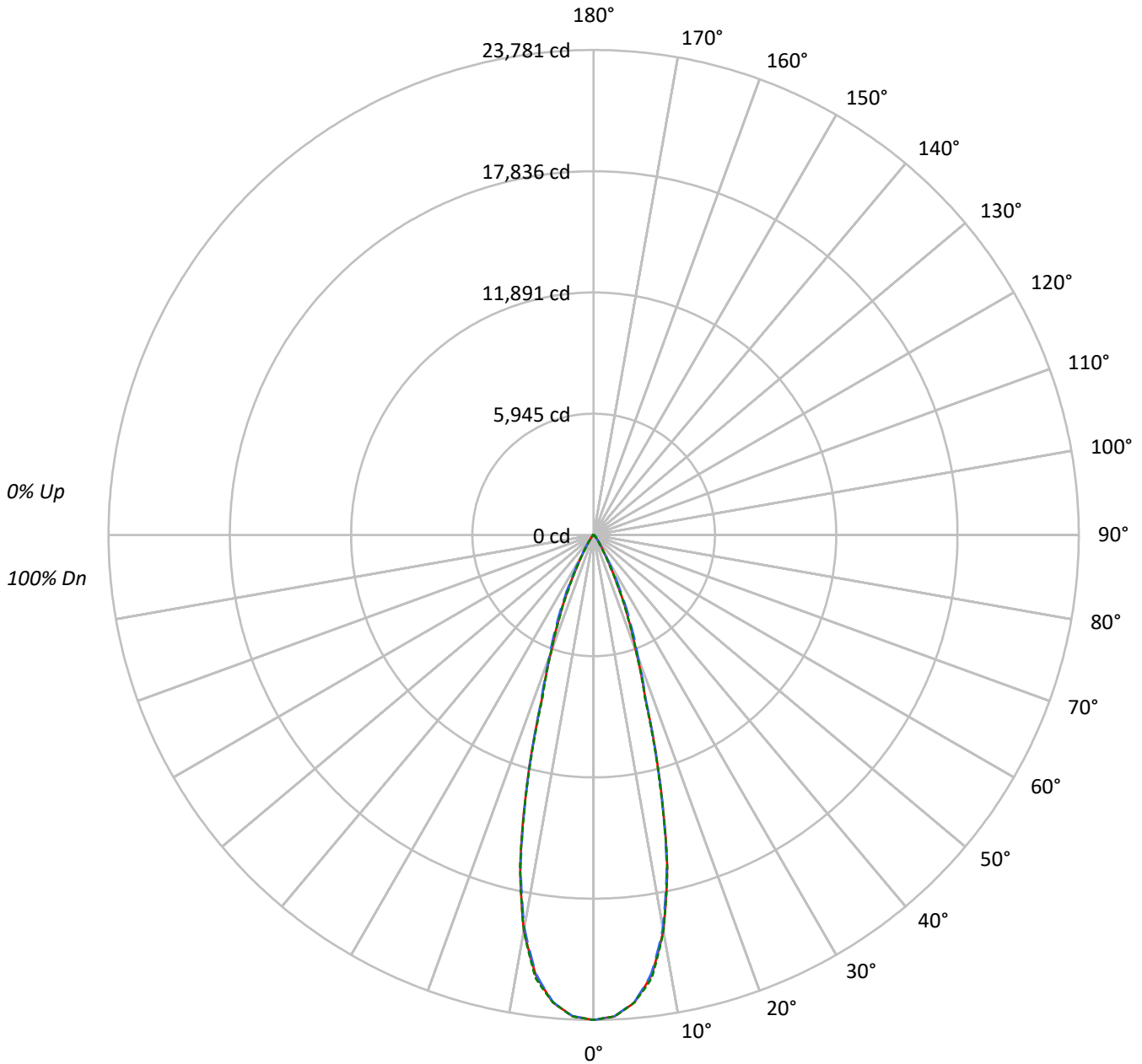


Downlight

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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°	1820294	1820294	1820294
5°	1768037	1765970	1768122
10°	1531384	1520588	1531019
15°	999150	993785	988793
20°	496831	515477	496163
25°	250269	282219	245143
30°	100202	109182	87306
35°	46478	44516	37311
40°	20064	22282	18895
45°	14159	17569	14278
50°	4870	12789	5144
55°	2802	5298	2963
60°	1960	2327	1960
65°	1268	1268	1268
70°	783	515	783
75°	0	355	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 17569 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2091.2	28.3
10°-20°	3367.9	45.5
20°-30°	1455.4	19.7
30°-40°	331.7	4.5
40°-50°	113.9	1.5
50°-60°	27.8	0.4
60°-70°	7.2	0.1
70°-80°	0.8	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°	6914.4	93.5
0°-40°	7246.1	98.0
0°-60°	7387.9	99.9
0°-90°	7395.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7395.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	23781	23781	23781	23781	23781	
5°	23011	22988	22984	23032	23012	2093
15°	12609	12457	12541	12500	12478	3376
25°	2963	3075	3342	2997	2903	1418
35°	497	508	476	473	399	337
45°	131	162	162	162	132	93
55°	21	22	40	23	22	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°	23781.2	23781.2	23781.2	23781.2	23781.2
2.5°	23623.5	23607.2	23616.5	23628.2	23632.9
5°	23010.6	22988.4	22983.7	23031.6	23011.7
7.5°	21774.1	21742.6	21694.7	21803.3	21904.9
10°	19702.8	19667.8	19563.9	19615.3	19698.1
12.5°	16644.9	16531.7	16529.4	16692.8	16670.6
15°	12608.6	12456.9	12540.9	12500.1	12477.9
17.5°	8478.9	8420.5	8532.6	8498.8	8352.8
20°	6099.4	6114.6	6328.3	6220.8	6091.2
22.5°	4450.8	4505.7	4759.0	4482.3	4380.7
25°	2963.3	3075.4	3341.6	2997.2	2902.6
27.5°	1822.6	1874.0	2143.7	1799.2	1747.9
30°	1133.7	1108.0	1235.3	1060.2	987.8
32.5°	743.7	711.1	751.9	674.9	616.5
35°	497.4	507.9	476.4	472.9	399.3
37.5°	310.6	357.3	315.2	336.3	256.9
40°	200.8	259.2	223.0	246.4	189.1
42.5°	164.6	199.7	183.3	195.0	168.1
45°	130.8	162.3	162.3	162.3	131.9
47.5°	72.4	108.6	138.9	110.9	77.1
50°	40.9	54.9	107.4	57.2	43.2
52.5°	28.0	31.5	73.6	32.7	29.2
55°	21.0	22.2	39.7	23.4	22.2
57.5°	16.3	17.5	21.0	17.5	16.3
60°	12.8	12.8	15.2	14.0	12.8
62.5°	9.3	9.3	10.5	9.3	9.3
65°	7.0	7.0	7.0	7.0	7.0
67.5°	3.5	4.7	4.7	4.7	4.7
70°	3.5	2.3	2.3	2.3	3.5
72.5°	2.3	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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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