

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: P757907

Luminaire Tested: LD6D05D010-EU6DR150210IC9024-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757907
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-EU6DR150210IC9024-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 612.9 lumens
Efficiency: N/A
Efficacy: 81.7 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 (A_{in}): 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

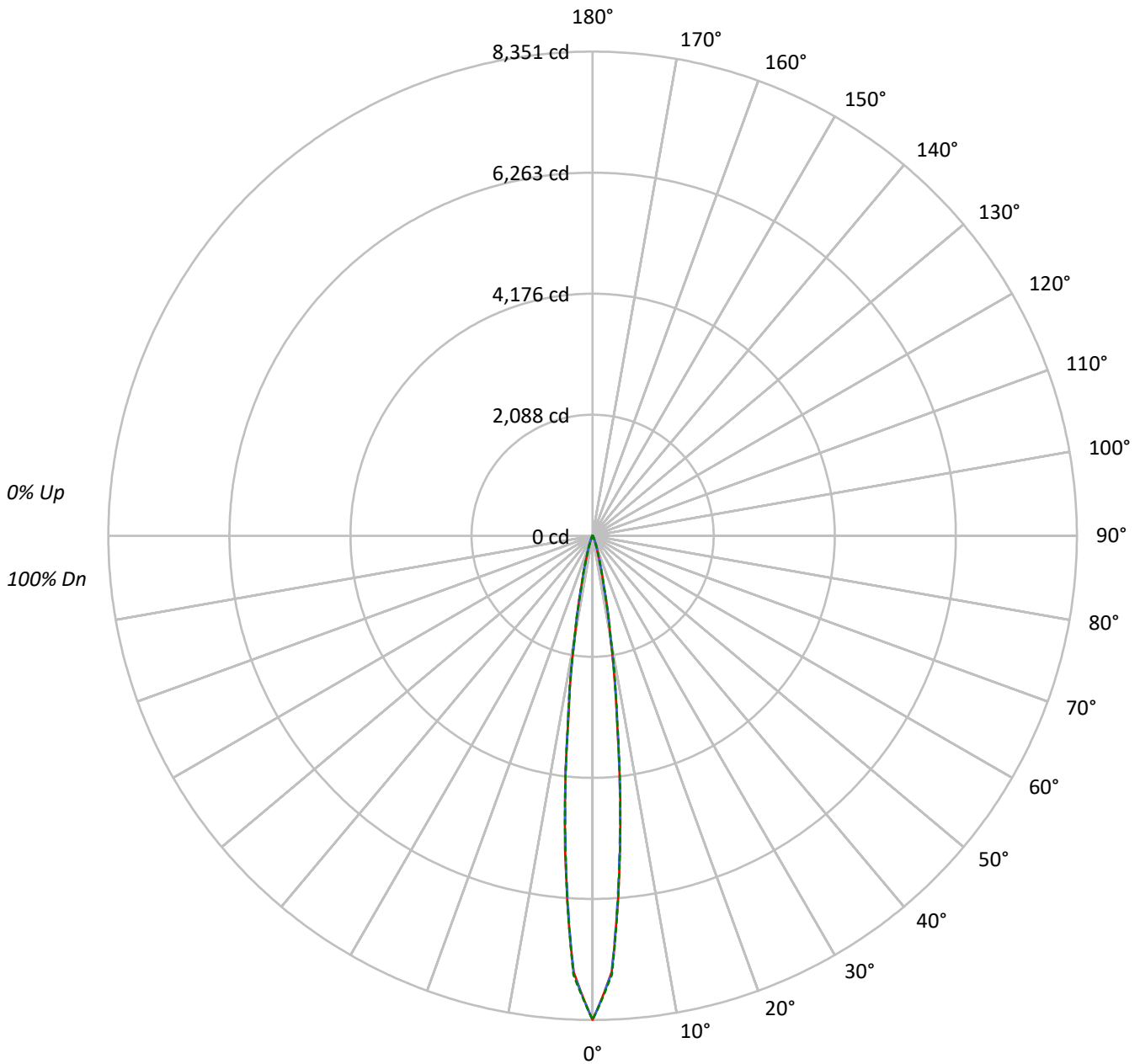


Downlight



TEST NUMBER: P757907
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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	87	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°	939620	939620	939620
5°	552160	545015	549325
10°	164791	165948	168486
15°	40988	41787	40501
20°	12265	14204	12527
25°	4323	5508	4378
30°	1587	2089	1617
35°	799	900	770
40°	504	554	504
45°	371	399	371
50°	292	292	292
55°	244	244	244
60°	197	197	197
65°	150	150	150
70°	132	132	132
75°	83	83	106
80°	55	55	55
85°	33	33	33

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 399 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.5	64.9
10°-20°	163.5	26.7
20°-30°	32.5	5.3
30°-40°	8.1	1.3
40°-50°	4.3	0.7
50°-60°	3.2	0.5
60°-70°	2.2	0.4
70°-80°	1.3	0.2
80°-90°	0.4	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
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0°-30°	593.5	96.8
0°-40°	601.6	98.2
0°-60°	609.0	99.4
0°-90°	612.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	612.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8351	8351	8351	8351	8351	
5°	5433	5377	5363	5400	5405	397
15°	472	481	481	473	466	162
25°	56	63	71	63	56	29
35°	11	12	12	12	11	7
45°	5	5	6	5	5	4
55°	4	4	4	4	4	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
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°	8350.7	8350.7	8350.7	8350.7	8350.7
2.5°	7532.6	7539.0	7541.5	7548.9	7576.5
5°	5433.1	5377.3	5362.8	5399.9	5405.2
7.5°	3218.4	3229.7	3271.0	3280.2	3247.0
10°	1766.1	1780.6	1778.5	1791.2	1805.7
12.5°	903.2	891.9	888.4	902.9	882.7
15°	471.9	480.8	481.1	472.6	466.3
17.5°	253.8	264.1	281.0	267.3	246.0
20°	149.9	159.1	173.6	162.3	153.1
22.5°	92.6	100.0	110.3	101.5	94.0
25°	55.5	62.9	70.7	62.6	56.2
27.5°	32.9	39.2	44.2	38.9	32.5
30°	21.2	24.7	27.9	24.4	21.6
32.5°	14.8	16.3	17.7	16.3	14.8
35°	11.0	11.7	12.4	11.7	10.6
37.5°	8.5	9.2	9.5	8.8	8.1
40°	7.1	7.4	7.8	7.4	7.1
42.5°	6.0	6.4	6.4	6.4	6.0
45°	5.3	5.3	5.7	5.3	5.3
47.5°	4.6	4.6	4.9	4.6	4.6
50°	4.2	4.2	4.2	4.2	4.2
52.5°	3.9	3.9	3.9	3.9	3.9
55°	3.5	3.5	3.5	3.5	3.5
57.5°	3.2	3.2	3.2	3.2	3.2
60°	2.8	2.8	2.8	2.8	2.8
62.5°	2.5	2.5	2.5	2.5	2.5
65°	2.1	2.1	2.1	2.1	2.1
67.5°	2.1	2.1	2.1	2.1	2.1
70°	1.8	1.8	1.8	1.8	1.8
72.5°	1.4	1.4	1.4	1.4	1.4
75°	1.1	1.1	1.1	1.1	1.4
77.5°	1.1	1.1	1.1	1.1	1.1
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.7	0.7	0.7	0.7
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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