

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: P757902

Luminaire Tested: LD6D05D010-EU6DR150210IC9024-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757902
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-EU6DR150210IC9024-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 544.1 lumens
Efficiency: N/A
Efficacy: 72.5 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



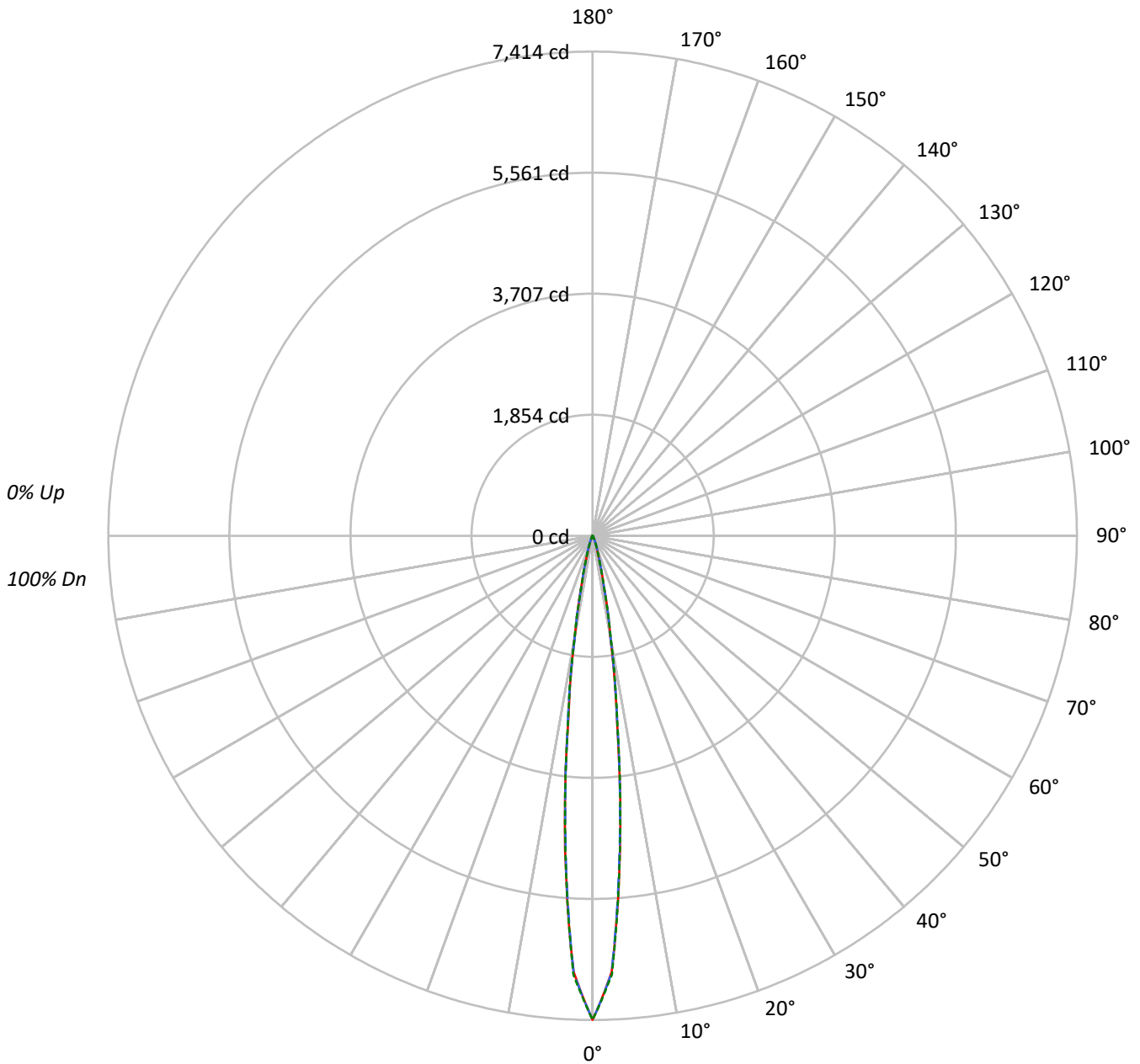
Downlight



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	834178	834178	834178
5°	490207	483855	487687
10°	146306	147333	149581
15°	36393	37097	35959
20°	10891	12609	11120
25°	3841	4892	3887
30°	1408	1857	1430
35°	704	799	683
40°	447	490	447
45°	329	350	329
50°	264	264	264
55°	216	216	216
60°	176	176	176
65°	136	136	136
70°	117	117	117
75°	68	68	98
80°	47	47	47
85°	25	25	25

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 350 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.9	64.9
10°-20°	145.2	26.7
20°-30°	28.8	5.3
30°-40°	7.2	1.3
40°-50°	3.8	0.7
50°-60°	2.8	0.5
60°-70°	2.0	0.4
70°-80°	1.1	0.2
80°-90°	0.3	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°	526.9	96.8
0°-40°	534.1	98.2
0°-60°	540.7	99.4
0°-90°	544.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	544.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7414	7414	7414	7414	7414	
5°	4824	4774	4761	4794	4799	352
15°	419	427	427	420	414	144
25°	49	56	63	56	50	26
35°	10	10	11	10	9	7
45°	5	5	5	5	5	4
55°	3	3	3	3	3	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7413.6	7413.6	7413.6	7413.6	7413.6
2.5°	6687.4	6693.0	6695.2	6701.8	6726.3
5°	4823.5	4773.9	4761.0	4794.0	4798.7
7.5°	2857.2	2867.3	2904.0	2912.2	2882.7
10°	1568.0	1580.8	1579.0	1590.2	1603.1
12.5°	801.9	791.8	788.7	801.6	783.7
15°	419.0	426.8	427.1	419.6	414.0
17.5°	225.3	234.4	249.5	237.3	218.4
20°	133.1	141.2	154.1	144.1	135.9
22.5°	82.2	88.8	97.9	90.1	83.5
25°	49.3	55.9	62.8	55.6	49.9
27.5°	29.2	34.8	39.2	34.5	28.9
30°	18.8	22.0	24.8	21.7	19.1
32.5°	13.2	14.4	15.7	14.4	13.2
35°	9.7	10.4	11.0	10.4	9.4
37.5°	7.5	8.2	8.5	7.8	7.2
40°	6.3	6.6	6.9	6.6	6.3
42.5°	5.3	5.6	5.6	5.6	5.3
45°	4.7	4.7	5.0	4.7	4.7
47.5°	4.1	4.1	4.4	4.1	4.1
50°	3.8	3.8	3.8	3.8	3.8
52.5°	3.5	3.5	3.5	3.5	3.5
55°	3.1	3.1	3.1	3.1	3.1
57.5°	2.8	2.8	2.8	2.8	2.8
60°	2.5	2.5	2.5	2.5	2.5
62.5°	2.2	2.2	2.2	2.2	2.2
65°	1.9	1.9	1.9	1.9	1.9
67.5°	1.9	1.9	1.9	1.9	1.9
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.3	1.3	1.3	1.3	1.3
75°	0.9	0.9	0.9	0.9	1.3
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6
85°	0.3	0.3	0.3	0.3	0.3
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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