

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: P786970

Luminaire Tested: LER6D02D010-EC6DR150210IC9050-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786970
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: LER6D02D010-EC6DR150210IC9050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 380.1 lumens
Efficiency: N/A
Efficacy: 74.5 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): 5.1
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

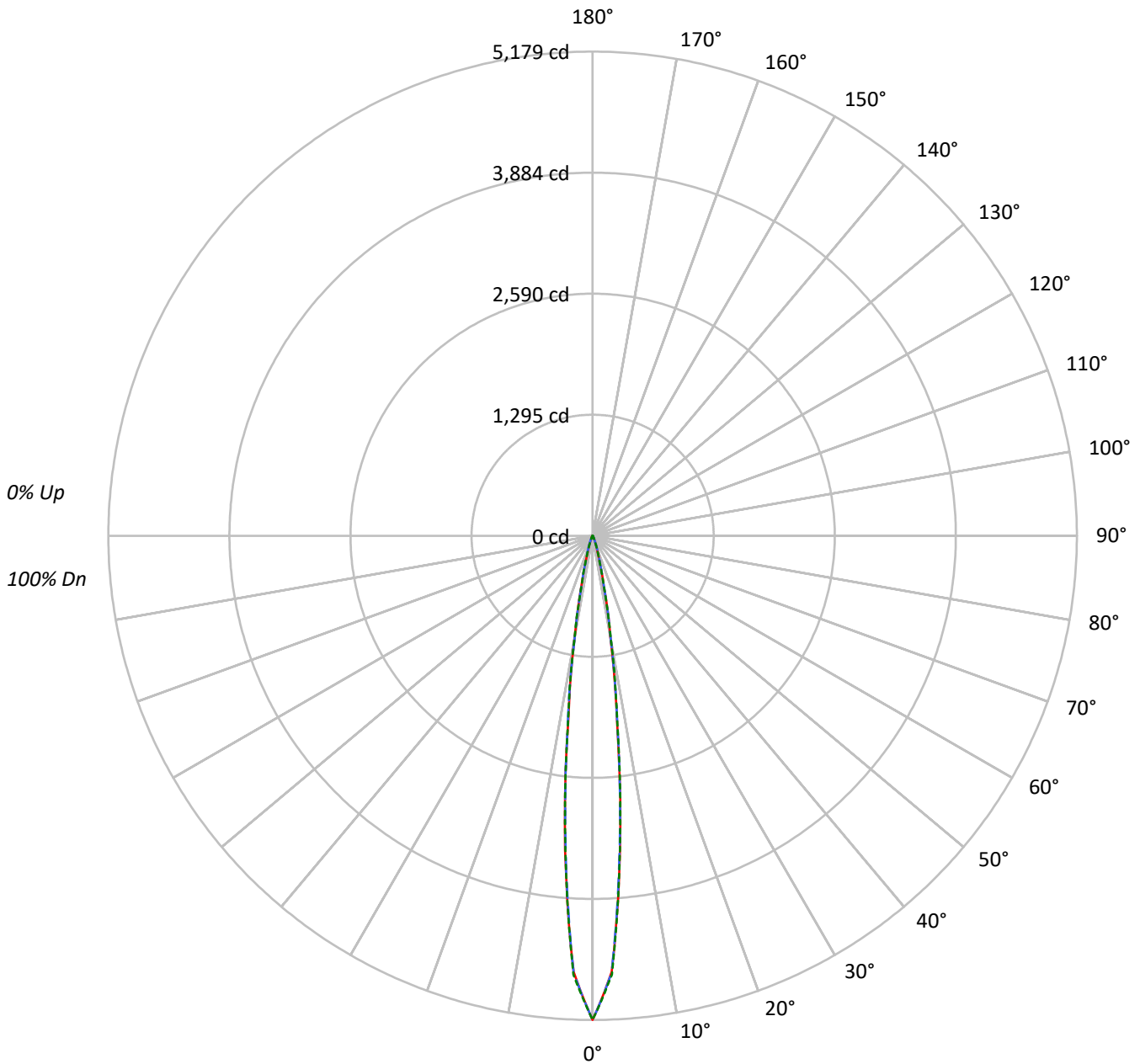


Downlight

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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	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°	582730	582730	582730
5°	342439	338008	340680
10°	102200	102918	104495
15°	25423	25918	25119
20°	7610	8804	7765
25°	2680	3412	2719
30°	988	1295	1003
35°	494	559	479
40°	312	341	312
45°	231	245	231
50°	181	181	181
55°	153	153	153
60°	126	126	126
65°	93	93	93
70°	80	80	80
75°	53	53	68
80°	32	32	32
85°	17	17	17

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 245 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.5	64.9
10°-20°	101.4	26.7
20°-30°	20.1	5.3
30°-40°	5.0	1.3
40°-50°	2.6	0.7
50°-60°	2.0	0.5
60°-70°	1.4	0.4
70°-80°	0.8	0.2
80°-90°	0.2	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°	368.1	96.8
0°-40°	373.1	98.2
0°-60°	377.7	99.4
0°-90°	380.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	380.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5179	5179	5179	5179	5179	
5°	3370	3335	3326	3349	3352	246
15°	293	298	298	293	289	100
25°	34	39	44	39	35	18
35°	7	7	8	7	7	5
45°	3	3	4	3	3	3
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
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°	5178.9	5178.9	5178.9	5178.9	5178.9
2.5°	4671.5	4675.5	4677.0	4681.6	4698.7
5°	3369.5	3334.8	3325.9	3348.9	3352.2
7.5°	1995.9	2003.0	2028.6	2034.3	2013.7
10°	1095.3	1104.3	1103.0	1110.9	1119.9
12.5°	560.2	553.1	550.9	559.9	547.4
15°	292.7	298.2	298.4	293.1	289.2
17.5°	157.4	163.8	174.3	165.7	152.6
20°	93.0	98.7	107.6	100.6	94.9
22.5°	57.4	62.0	68.4	62.9	58.3
25°	34.4	39.0	43.8	38.8	34.9
27.5°	20.4	24.3	27.4	24.1	20.2
30°	13.2	15.3	17.3	15.1	13.4
32.5°	9.2	10.1	11.0	10.1	9.2
35°	6.8	7.2	7.7	7.2	6.6
37.5°	5.3	5.7	5.9	5.5	5.0
40°	4.4	4.6	4.8	4.6	4.4
42.5°	3.7	3.9	3.9	3.9	3.7
45°	3.3	3.3	3.5	3.3	3.3
47.5°	2.9	2.9	3.1	2.9	2.9
50°	2.6	2.6	2.6	2.6	2.6
52.5°	2.4	2.4	2.4	2.4	2.4
55°	2.2	2.2	2.2	2.2	2.2
57.5°	2.0	2.0	2.0	2.0	2.0
60°	1.8	1.8	1.8	1.8	1.8
62.5°	1.5	1.5	1.5	1.5	1.5
65°	1.3	1.3	1.3	1.3	1.3
67.5°	1.3	1.3	1.3	1.3	1.3
70°	1.1	1.1	1.1	1.1	1.1
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.7	0.7	0.7	0.7	0.9
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.2
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)