

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P788178

Luminaire Tested: LER6D08D010-EC6DR150210IC9024-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788178
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: LER6D08D010-EC6DR150210IC9024-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 663.5 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): 8.9
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

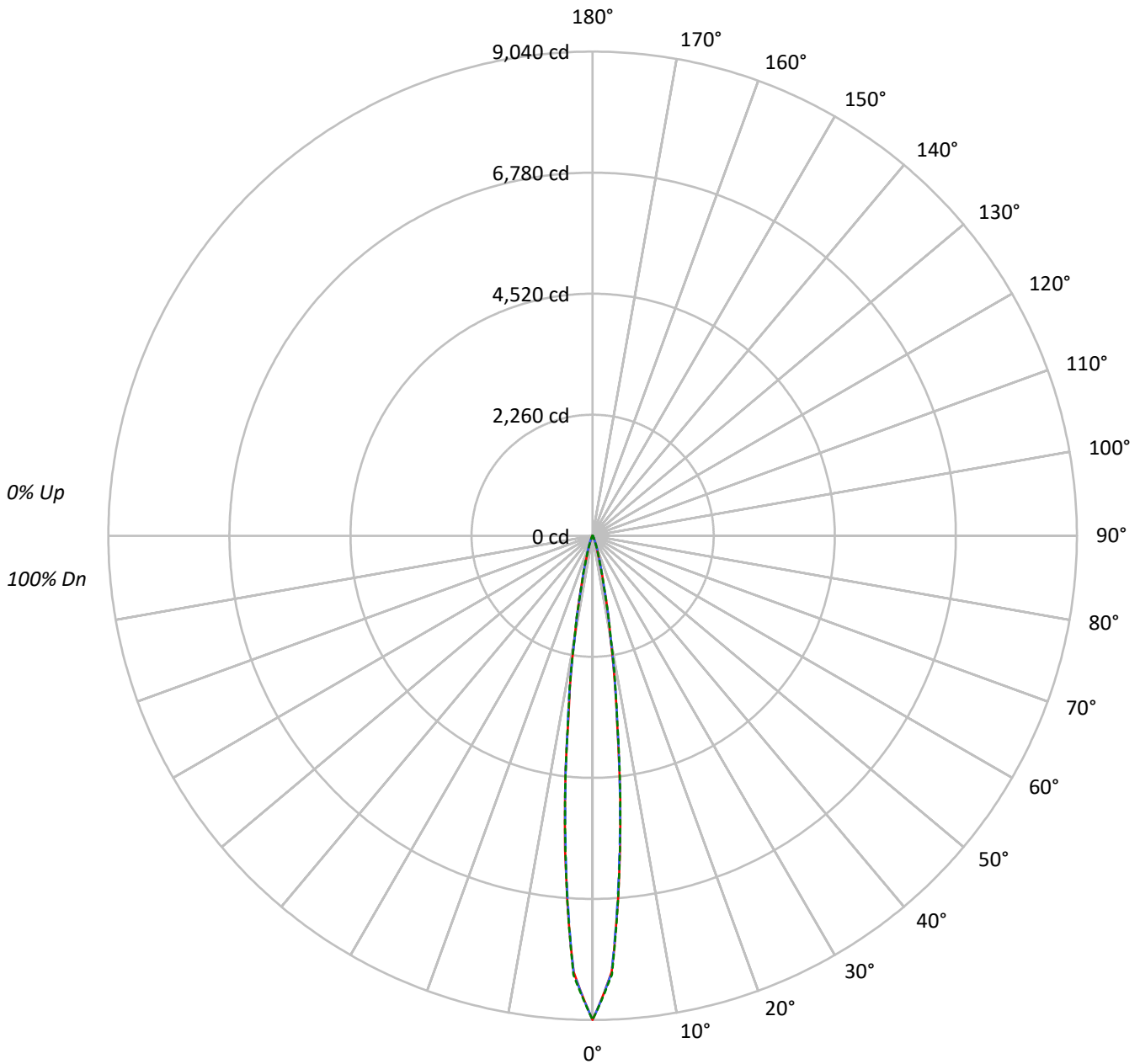


Downlight

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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°	1017147	1017147	1017147
5°	597720	589986	594651
10°	178395	179645	182388
15°	44375	45235	43845
20°	13280	15375	13558
25°	4682	5959	4736
30°	1722	2261	1745
35°	864	973	835
40°	547	597	547
45°	399	427	399
50°	320	320	320
55°	264	264	264
60°	218	218	218
65°	164	164	164
70°	139	139	139
75°	83	83	113
80°	63	63	63
85°	33	33	33

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 427 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	430.3	64.9
10°-20°	177.0	26.7
20°-30°	35.2	5.3
30°-40°	8.8	1.3
40°-50°	4.6	0.7
50°-60°	3.4	0.5
60°-70°	2.4	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
0°-30°	642.5	96.8
0°-40°	651.2	98.2
0°-60°	659.2	99.4
0°-90°	663.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	663.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9040	9040	9040	9040	9040	
5°	5881	5821	5805	5846	5851	429
15°	511	520	521	512	505	175
25°	60	68	76	68	61	32
35°	12	13	13	13	12	8
45°	6	6	6	6	6	4
55°	4	4	4	4	4	3
65°	2	2	2	2	2	2
75°	1	1	1	1	2	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°	9039.7	9039.7	9039.7	9039.7	9039.7
2.5°	8154.2	8161.1	8163.7	8171.8	8201.6
5°	5881.4	5821.0	5805.3	5845.5	5851.2
7.5°	3483.9	3496.2	3541.0	3550.9	3514.9
10°	1911.9	1927.6	1925.3	1939.0	1954.7
12.5°	977.8	965.5	961.7	977.4	955.6
15°	510.9	520.4	520.8	511.6	504.8
17.5°	274.8	285.9	304.2	289.3	266.3
20°	162.3	172.2	187.9	175.7	165.7
22.5°	100.3	108.3	119.4	109.8	101.8
25°	60.1	68.1	76.5	67.7	60.8
27.5°	35.6	42.5	47.8	42.1	35.2
30°	23.0	26.8	30.2	26.4	23.3
32.5°	16.1	17.6	19.1	17.6	16.1
35°	11.9	12.6	13.4	12.6	11.5
37.5°	9.2	9.9	10.3	9.6	8.8
40°	7.7	8.0	8.4	8.0	7.7
42.5°	6.5	6.9	6.9	6.9	6.5
45°	5.7	5.7	6.1	5.7	5.7
47.5°	5.0	5.0	5.4	5.0	5.0
50°	4.6	4.6	4.6	4.6	4.6
52.5°	4.2	4.2	4.2	4.2	4.2
55°	3.8	3.8	3.8	3.8	3.8
57.5°	3.4	3.4	3.4	3.4	3.4
60°	3.1	3.1	3.1	3.1	3.1
62.5°	2.7	2.7	2.7	2.7	2.7
65°	2.3	2.3	2.3	2.3	2.3
67.5°	2.3	2.3	2.3	2.3	2.3
70°	1.9	1.9	1.9	1.9	1.9
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.1	1.1	1.1	1.1	1.5
77.5°	1.1	1.1	1.1	1.1	1.1
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8
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

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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(END OF REPORT)