

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: P790038

Luminaire Tested: LER6D20D010-EC6DR1515309024-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790038
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: LER6D20D010-EC6DR1515309024-6LBS1MW
Description: 6 INCH ROUND SHALLOW 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: 1689.6 lumens
Efficiency: N/A
Efficacy: 73.1 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): 23.1
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

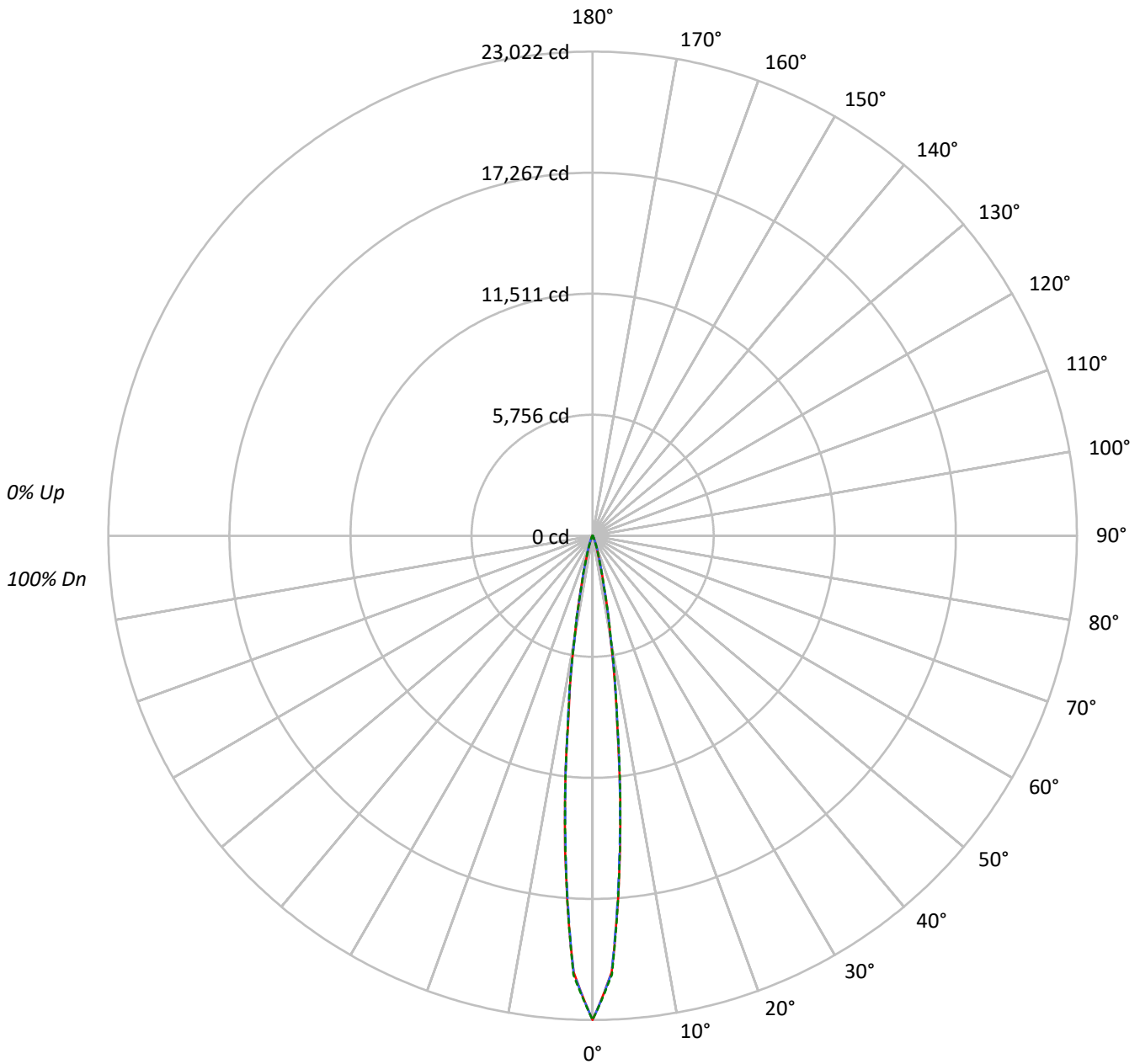


Downlight

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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	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°	2590446	2590446	2590446
5°	1522269	1502553	1514443
10°	454324	457506	464513
15°	113009	115207	111654
20°	33809	39152	34529
25°	11919	15183	12075
30°	4381	5766	4455
35°	2193	2476	2120
40°	1385	1520	1385
45°	1022	1092	1022
50°	814	814	814
55°	675	675	675
60°	548	548	548
65°	414	414	414
70°	358	358	358
75°	219	219	295
80°	150	150	150
85°	83	83	83

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1092 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1095.9	64.9
10°-20°	450.8	26.7
20°-30°	89.5	5.3
30°-40°	22.3	1.3
40°-50°	11.7	0.7
50°-60°	8.7	0.5
60°-70°	6.1	0.4
70°-80°	3.5	0.2
80°-90°	1.0	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°	1636.2	96.8
0°-40°	1658.5	98.2
0°-60°	1679.0	99.4
0°-90°	1689.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1689.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23022	23022	23022	23022	23022	
5°	14979	14825	14785	14887	14902	1094
15°	1301	1326	1326	1303	1286	446
25°	153	174	195	172	155	80
35°	30	32	34	32	29	21
45°	15	15	16	15	15	11
55°	10	10	10	10	10	9
65°	6	6	6	6	6	6
75°	3	3	3	3	4	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	23022.1	23022.1	23022.1	23022.1	23022.1
2.5°	20766.8	20784.4	20791.2	20811.7	20887.7
5°	14978.7	14824.7	14784.7	14887.1	14901.7
7.5°	8872.8	8904.0	9018.0	9043.3	8951.7
10°	4869.1	4909.1	4903.2	4938.3	4978.3
12.5°	2490.1	2458.9	2449.2	2489.1	2433.6
15°	1301.1	1325.5	1326.4	1303.0	1285.5
17.5°	699.8	728.0	774.8	736.8	678.3
20°	413.2	438.6	478.5	447.3	422.0
22.5°	255.3	275.8	304.1	279.7	259.2
25°	153.0	173.5	194.9	172.5	155.0
27.5°	90.6	108.2	121.8	107.2	89.7
30°	58.5	68.2	77.0	67.2	59.5
32.5°	40.9	44.8	48.7	44.8	40.9
35°	30.2	32.2	34.1	32.2	29.2
37.5°	23.4	25.3	26.3	24.4	22.4
40°	19.5	20.5	21.4	20.5	19.5
42.5°	16.6	17.5	17.5	17.5	16.6
45°	14.6	14.6	15.6	14.6	14.6
47.5°	12.7	12.7	13.6	12.7	12.7
50°	11.7	11.7	11.7	11.7	11.7
52.5°	10.7	10.7	10.7	10.7	10.7
55°	9.7	9.7	9.7	9.7	9.7
57.5°	8.8	8.8	8.8	8.8	8.8
60°	7.8	7.8	7.8	7.8	7.8
62.5°	6.8	6.8	6.8	6.8	6.8
65°	5.8	5.8	5.8	5.8	5.8
67.5°	5.8	5.8	5.8	5.8	5.8
70°	4.9	4.9	4.9	4.9	4.9
72.5°	3.9	3.9	3.9	3.9	3.9
75°	2.9	2.9	2.9	2.9	2.9
77.5°	2.9	2.9	2.9	2.9	2.9
80°	1.9	1.9	1.9	1.9	1.9
82.5°	1.9	1.9	1.9	1.9	1.9
85°	1.0	1.0	1.0	1.0	1.0
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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