

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: P791226

Luminaire Tested: LER6D30D010-EC6DR1515309050-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791226
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: LER6D30D010-EC6DR1515309050-6LBDDP1MW
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: 3342.3 lumens
Efficiency: N/A
Efficacy: 115.3 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

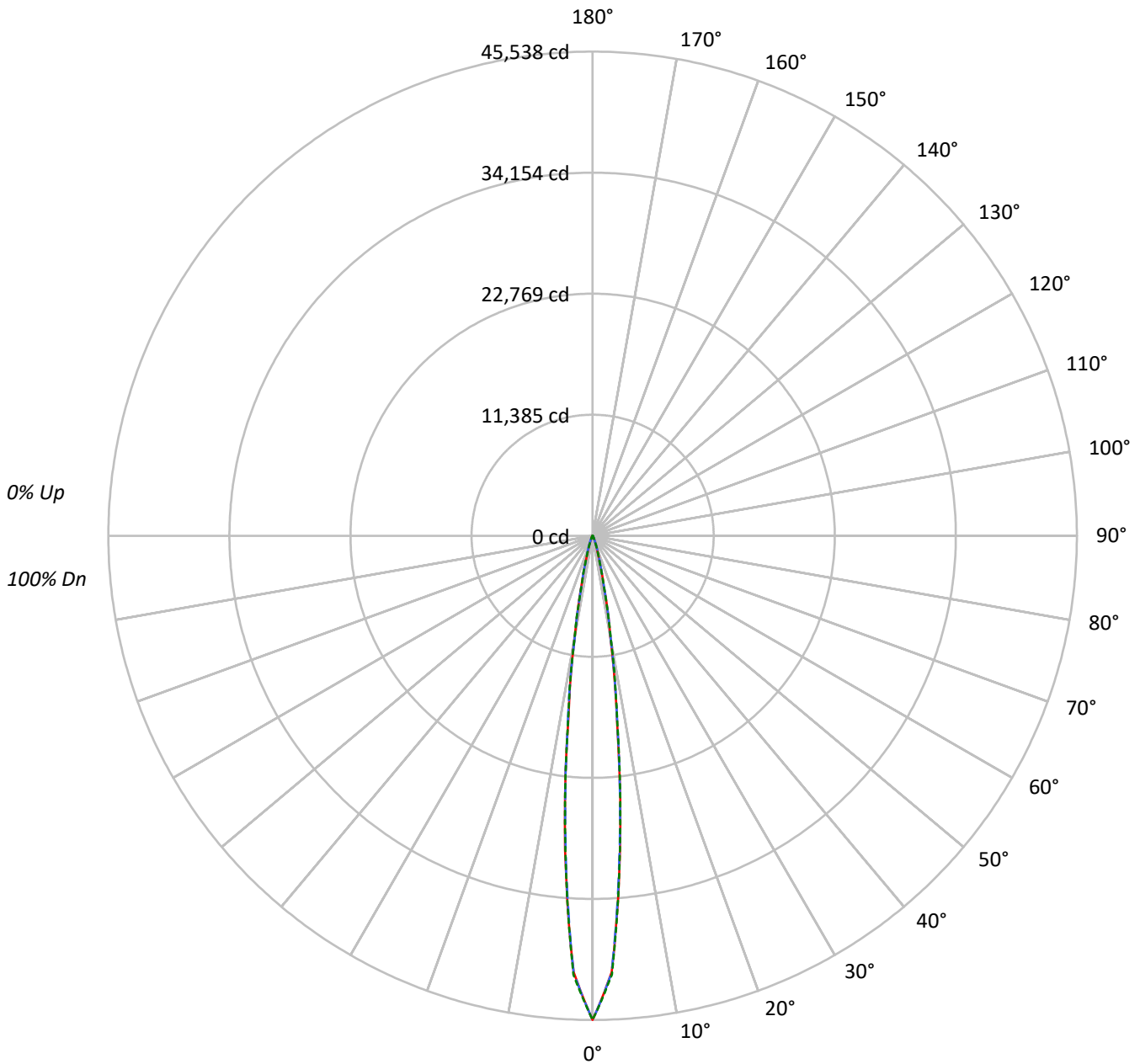
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	5123877	5123877	5123877
5°	3011031	2972046	2995553
10°	898655	904944	918800
15°	223535	227886	220851
20°	66882	77445	68297
25°	23581	30039	23877
30°	8664	11404	8806
35°	4343	4902	4197
40°	2741	3011	2741
45°	2023	2156	2023
50°	1606	1606	1606
55°	1343	1343	1343
60°	1081	1081	1081
65°	828	828	828
70°	702	702	702
75°	438	438	582
80°	307	307	307
85°	158	158	158

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2156 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2167.7	64.9
10°-20°	891.6	26.7
20°-30°	177.1	5.3
30°-40°	44.2	1.3
40°-50°	23.2	0.7
50°-60°	17.2	0.5
60°-70°	12.2	0.4
70°-80°	6.9	0.2
80°-90°	2.1	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°	3236.4	96.8
0°-40°	3280.6	98.2
0°-60°	3321.1	99.4
0°-90°	3342.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3342.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	45538	45538	45538	45538	45538	
5°	29628	29323	29244	29446	29475	2164
15°	2574	2622	2624	2577	2543	882
25°	303	343	386	341	306	159
35°	60	64	68	64	58	41
45°	29	29	31	29	29	23
55°	19	19	19	19	19	17
65°	12	12	12	12	12	12
75°	6	6	6	6	8	7
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	45537.5	45537.5	45537.5	45537.5	45537.5
2.5°	41076.6	41111.3	41124.8	41165.3	41315.7
5°	29627.7	29323.1	29244.1	29446.5	29475.4
7.5°	17550.3	17612.0	17837.5	17887.7	17706.4
10°	9631.1	9710.1	9698.5	9767.9	9847.0
12.5°	4925.4	4863.7	4844.5	4923.5	4813.6
15°	2573.6	2621.7	2623.7	2577.4	2542.7
17.5°	1384.1	1440.0	1532.6	1457.4	1341.7
20°	817.4	867.5	946.5	884.8	834.7
22.5°	505.1	545.6	601.5	553.3	512.8
25°	302.7	343.1	385.6	341.2	306.5
27.5°	179.3	214.0	241.0	212.1	177.4
30°	115.7	134.9	152.3	133.0	117.6
32.5°	81.0	88.7	96.4	88.7	81.0
35°	59.8	63.6	67.5	63.6	57.8
37.5°	46.3	50.1	52.0	48.2	44.3
40°	38.6	40.5	42.4	40.5	38.6
42.5°	32.8	34.7	34.7	34.7	32.8
45°	28.9	28.9	30.8	28.9	28.9
47.5°	25.1	25.1	27.0	25.1	25.1
50°	23.1	23.1	23.1	23.1	23.1
52.5°	21.2	21.2	21.2	21.2	21.2
55°	19.3	19.3	19.3	19.3	19.3
57.5°	17.3	17.3	17.3	17.3	17.3
60°	15.4	15.4	15.4	15.4	15.4
62.5°	13.5	13.5	13.5	13.5	13.5
65°	11.6	11.6	11.6	11.6	11.6
67.5°	11.6	11.6	11.6	11.6	11.6
70°	9.6	9.6	9.6	9.6	9.6
72.5°	7.7	7.7	7.7	7.7	7.7
75°	5.8	5.8	5.8	5.8	7.7
77.5°	5.8	5.8	5.8	5.8	5.8
80°	3.9	3.9	3.9	3.9	3.9
82.5°	3.9	3.9	3.9	3.9	3.9
85°	1.9	1.9	1.9	1.9	1.9
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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