

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: P791374

Luminaire Tested: LER6D30D010-EC6DR3020359050-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791374
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D30D010-EC6DR3020359050-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5826.8 lumens
Efficiency: N/A
Efficacy: 200.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
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

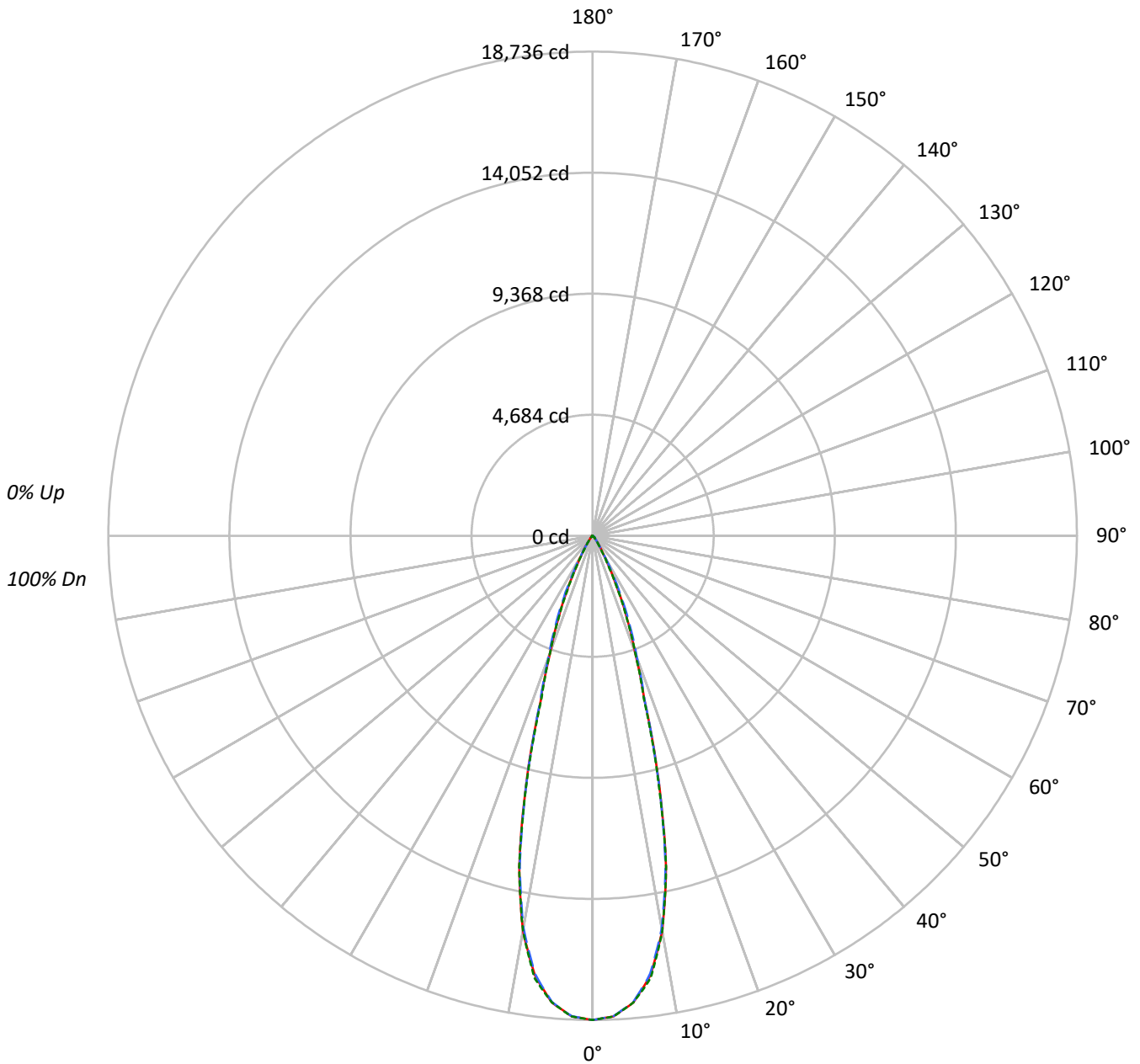


Downlight

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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																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1434117	1434117	1434117
5°	1392948	1391319	1393017
10°	1206505	1197994	1206217
15°	787182	782958	779020
20°	391428	406114	390906
25°	197172	222348	193135
30°	78945	86016	68781
35°	36620	35069	29397
40°	15807	17556	14888
45°	11150	13845	11247
50°	3834	10074	4049
55°	2215	4177	2335
60°	1546	1837	1546
65°	996	996	996
70°	627	403	627
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 13845 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1647.5	28.3
10°-20°	2653.4	45.5
20°-30°	1146.6	19.7
30°-40°	261.3	4.5
40°-50°	89.7	1.5
50°-60°	21.9	0.4
60°-70°	5.7	0.1
70°-80°	0.6	0.0
80°-90°	0.0	0.0
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°	5447.5	93.5
0°-40°	5708.9	98.0
0°-60°	5820.5	99.9
0°-90°	5826.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5826.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18736	18736	18736	18736	18736	
5°	18129	18111	18108	18146	18130	1649
15°	9934	9814	9880	9848	9831	2660
25°	2335	2423	2633	2361	2287	1118
35°	392	400	375	372	315	266
45°	103	128	128	128	104	73
55°	17	18	31	18	18	16
65°	6	6	6	6	6	5
75°	0	0	1	0	0	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°	18736.0	18736.0	18736.0	18736.0	18736.0
2.5°	18611.8	18599.0	18606.3	18615.5	18619.2
5°	18128.9	18111.4	18107.7	18145.5	18129.8
7.5°	17154.8	17129.9	17092.2	17177.8	17257.8
10°	15522.9	15495.3	15413.4	15453.9	15519.2
12.5°	13113.7	13024.5	13022.7	13151.5	13134.0
15°	9933.7	9814.1	9880.4	9848.2	9830.7
17.5°	6680.1	6634.1	6722.4	6695.8	6580.8
20°	4805.4	4817.4	4985.7	4901.1	4799.0
22.5°	3506.6	3549.8	3749.4	3531.4	3451.4
25°	2334.6	2423.0	2632.7	2361.3	2286.8
27.5°	1435.9	1476.4	1688.9	1417.5	1377.1
30°	893.2	873.0	973.2	835.2	778.2
32.5°	586.0	560.2	592.4	531.7	485.7
35°	391.9	400.1	375.3	372.5	314.6
37.5°	244.7	281.5	248.4	264.9	202.4
40°	158.2	204.2	175.7	194.1	149.0
42.5°	129.7	157.3	144.4	153.6	132.5
45°	103.0	127.9	127.9	127.9	103.9
47.5°	57.0	85.5	109.5	87.4	60.7
50°	32.2	43.2	84.6	45.1	34.0
52.5°	22.1	24.8	58.0	25.8	23.0
55°	16.6	17.5	31.3	18.4	17.5
57.5°	12.9	13.8	16.6	13.8	12.9
60°	10.1	10.1	12.0	11.0	10.1
62.5°	7.4	7.4	8.3	7.4	7.4
65°	5.5	5.5	5.5	5.5	5.5
67.5°	2.8	3.7	3.7	3.7	3.7
70°	2.8	1.8	1.8	1.8	2.8
72.5°	1.8	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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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