

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: P791358

Luminaire Tested: LER6D30D010-EC6DR3020359035-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791358
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-EC6DR3020359035-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5737.7 lumens
Efficiency: N/A
Efficacy: 197.9 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

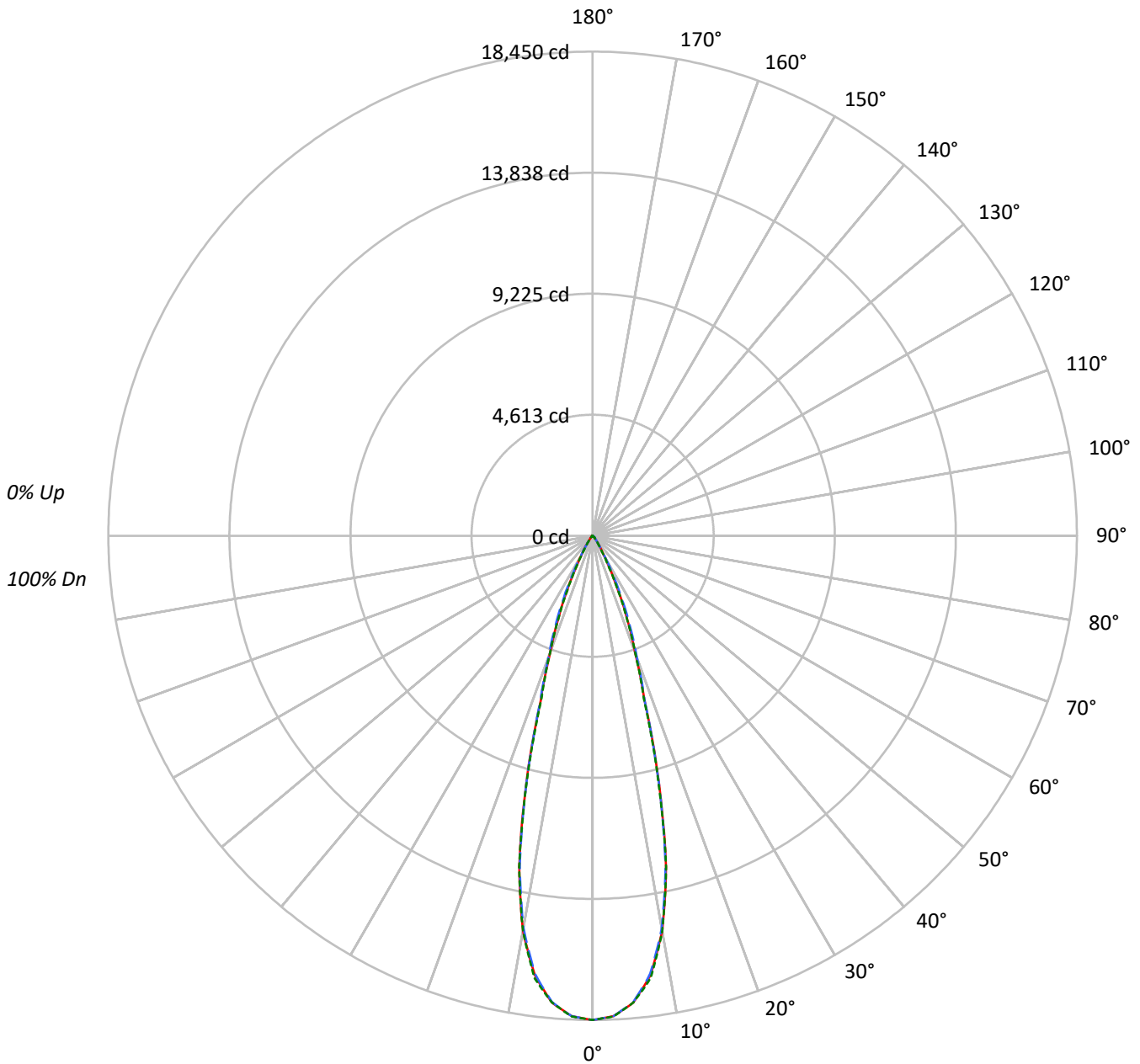


Downlight

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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	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°	1412187	1412187	1412187
5°	1371642	1370043	1371711
10°	1188053	1179675	1187773
15°	775145	770984	767109
20°	385441	399907	384927
25°	194157	218944	190179
30°	77734	84699	67729
35°	36059	34536	28948
40°	15568	17286	14658
45°	10987	13629	11085
50°	3775	9919	3989
55°	2175	4110	2295
60°	1531	1806	1531
65°	978	978	978
70°	604	403	604
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 13629 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1622.3	28.3
10°-20°	2612.8	45.5
20°-30°	1129.1	19.7
30°-40°	257.3	4.5
40°-50°	88.4	1.5
50°-60°	21.6	0.4
60°-70°	5.6	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°	5364.2	93.5
0°-40°	5621.6	98.0
0°-60°	5731.5	99.9
0°-90°	5737.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5737.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18450	18450	18450	18450	18450	
5°	17852	17834	17831	17868	17852	1624
15°	9782	9664	9729	9698	9680	2619
25°	2299	2386	2592	2325	2252	1100
35°	386	394	370	367	310	262
45°	102	126	126	126	102	72
55°	16	17	31	18	17	16
65°	5	5	5	5	5	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°	18449.5	18449.5	18449.5	18449.5	18449.5
2.5°	18327.2	18314.5	18321.8	18330.8	18334.4
5°	17851.6	17834.4	17830.8	17867.9	17852.5
7.5°	16892.4	16867.9	16830.8	16915.0	16993.8
10°	15285.5	15258.3	15177.7	15217.6	15281.9
12.5°	12913.2	12825.3	12823.5	12950.3	12933.1
15°	9781.8	9664.1	9729.3	9697.6	9680.4
17.5°	6578.0	6532.7	6619.6	6593.4	6480.1
20°	4731.9	4743.7	4909.5	4826.1	4725.6
22.5°	3452.9	3495.5	3692.1	3477.4	3398.6
25°	2298.9	2385.9	2592.4	2325.2	2251.8
27.5°	1414.0	1453.8	1663.1	1395.8	1356.0
30°	879.5	859.6	958.3	822.5	766.3
32.5°	577.0	551.6	583.3	523.6	478.3
35°	385.9	394.0	369.6	366.9	309.8
37.5°	240.9	277.2	244.6	260.9	199.3
40°	155.8	201.1	173.0	191.1	146.7
42.5°	127.7	154.9	142.2	151.3	130.4
45°	101.5	125.9	125.9	125.9	102.4
47.5°	56.2	84.2	107.8	86.1	59.8
50°	31.7	42.6	83.3	44.4	33.5
52.5°	21.7	24.5	57.1	25.4	22.6
55°	16.3	17.2	30.8	18.1	17.2
57.5°	12.7	13.6	16.3	13.6	12.7
60°	10.0	10.0	11.8	10.9	10.0
62.5°	7.2	7.2	8.2	7.2	7.2
65°	5.4	5.4	5.4	5.4	5.4
67.5°	2.7	3.6	3.6	3.6	3.6
70°	2.7	1.8	1.8	1.8	2.7
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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