

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: P768754

Luminaire Tested: LD6D60D010-EU6DR3055659035-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768754
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: LD6D60D010-EU6DR3055659035-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 6302.8 lumens
Efficiency: N/A
Efficacy: 97.9 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): 64.4
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

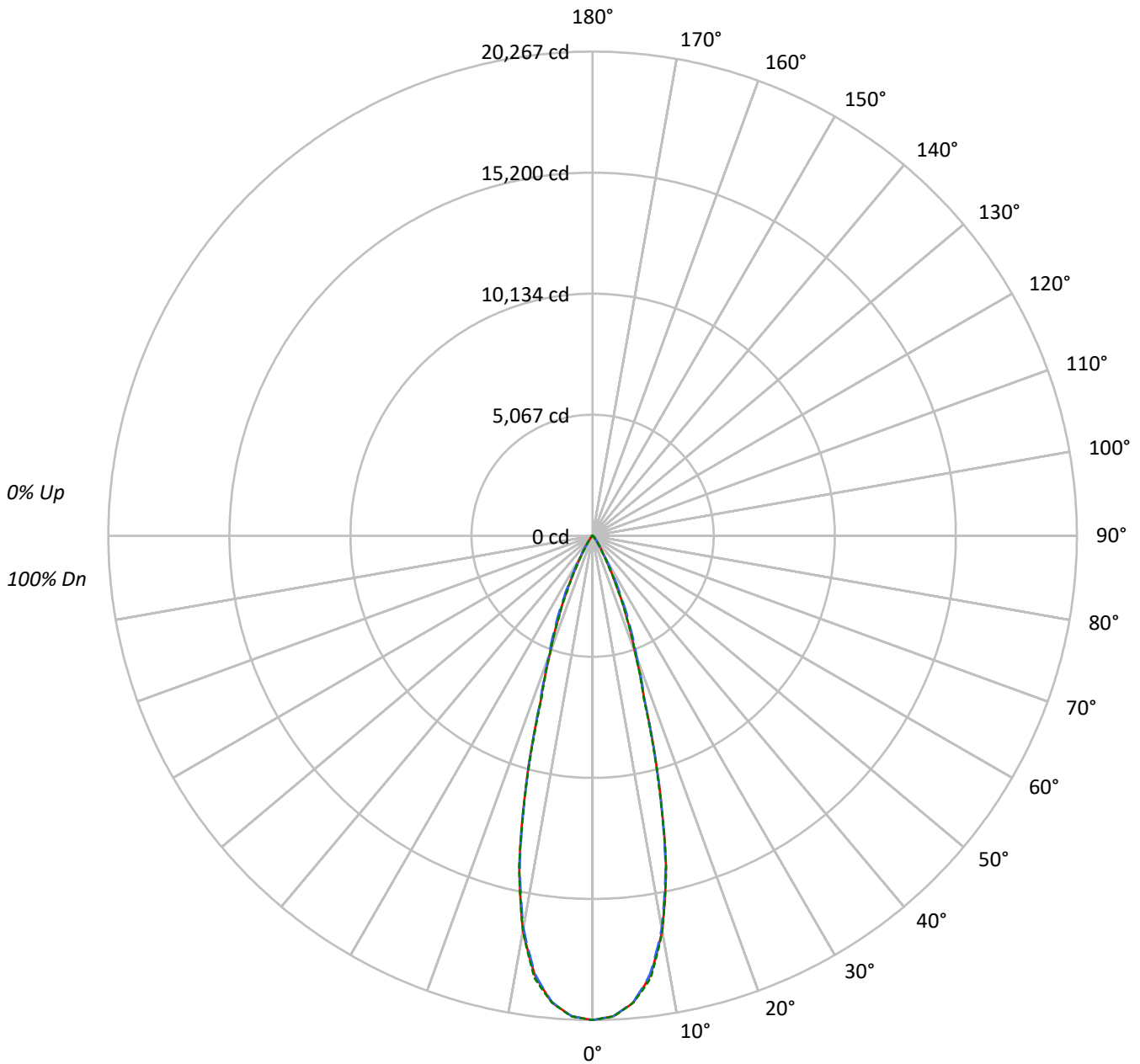


Downlight

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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°	1551274	1551274	1551274
5°	1506742	1504982	1506819
10°	1305067	1295865	1304756
15°	851488	846915	842660
20°	423407	439291	422837
25°	213286	240515	208911
30°	85397	93043	74402
35°	39610	37938	31798
40°	17096	18985	16107
45°	12059	14971	12167
50°	4144	10896	4382
55°	2389	4511	2522
60°	1669	1975	1669
65°	1087	1087	1087
70°	671	448	671
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 14971 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1782.1	28.3
10°-20°	2870.2	45.5
20°-30°	1240.3	19.7
30°-40°	282.7	4.5
40°-50°	97.1	1.5
50°-60°	23.7	0.4
60°-70°	6.2	0.1
70°-80°	0.7	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°	5892.6	93.5
0°-40°	6175.3	98.0
0°-60°	6296.0	99.9
0°-90°	6302.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6302.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20267	20267	20267	20267	20267	
5°	19610	19591	19587	19628	19611	1784
15°	10745	10616	10688	10653	10634	2877
25°	2525	2621	2848	2554	2474	1209
35°	424	433	406	403	340	288
45°	111	138	138	138	112	79
55°	18	19	34	20	19	17
65°	6	6	6	6	6	6
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°	20266.6	20266.6	20266.6	20266.6	20266.6
2.5°	20132.3	20118.4	20126.3	20136.3	20140.3
5°	19609.9	19591.0	19587.0	19627.8	19610.9
7.5°	18556.2	18529.3	18488.5	18581.1	18667.6
10°	16791.0	16761.2	16672.6	16716.4	16787.0
12.5°	14185.0	14088.5	14086.5	14225.8	14206.9
15°	10745.2	10615.9	10687.5	10652.7	10633.8
17.5°	7225.9	7176.1	7271.6	7242.8	7118.4
20°	5198.0	5210.9	5393.0	5301.5	5191.0
22.5°	3793.0	3839.8	4055.7	3819.9	3733.3
25°	2525.4	2620.9	2847.8	2554.2	2473.6
27.5°	1553.2	1597.0	1826.9	1533.3	1489.5
30°	966.2	944.3	1052.7	903.5	841.8
32.5°	633.8	606.0	640.8	575.1	525.4
35°	423.9	432.8	406.0	403.0	340.3
37.5°	264.7	304.5	268.7	286.6	218.9
40°	171.1	220.9	190.0	209.9	161.2
42.5°	140.3	170.1	156.2	166.2	143.3
45°	111.4	138.3	138.3	138.3	112.4
47.5°	61.7	92.5	118.4	94.5	65.7
50°	34.8	46.8	91.5	48.8	36.8
52.5°	23.9	26.9	62.7	27.9	24.9
55°	17.9	18.9	33.8	19.9	18.9
57.5°	13.9	14.9	17.9	14.9	13.9
60°	10.9	10.9	12.9	11.9	10.9
62.5°	8.0	8.0	9.0	8.0	8.0
65°	6.0	6.0	6.0	6.0	6.0
67.5°	3.0	4.0	4.0	4.0	4.0
70°	3.0	2.0	2.0	2.0	3.0
72.5°	2.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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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