

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: P768728

Luminaire Tested: LD6D60D010-EU6DR3055659027-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768728
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-EU6DR3055659027-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6054.2 lumens
Efficiency: N/A
Efficacy: 94.0 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

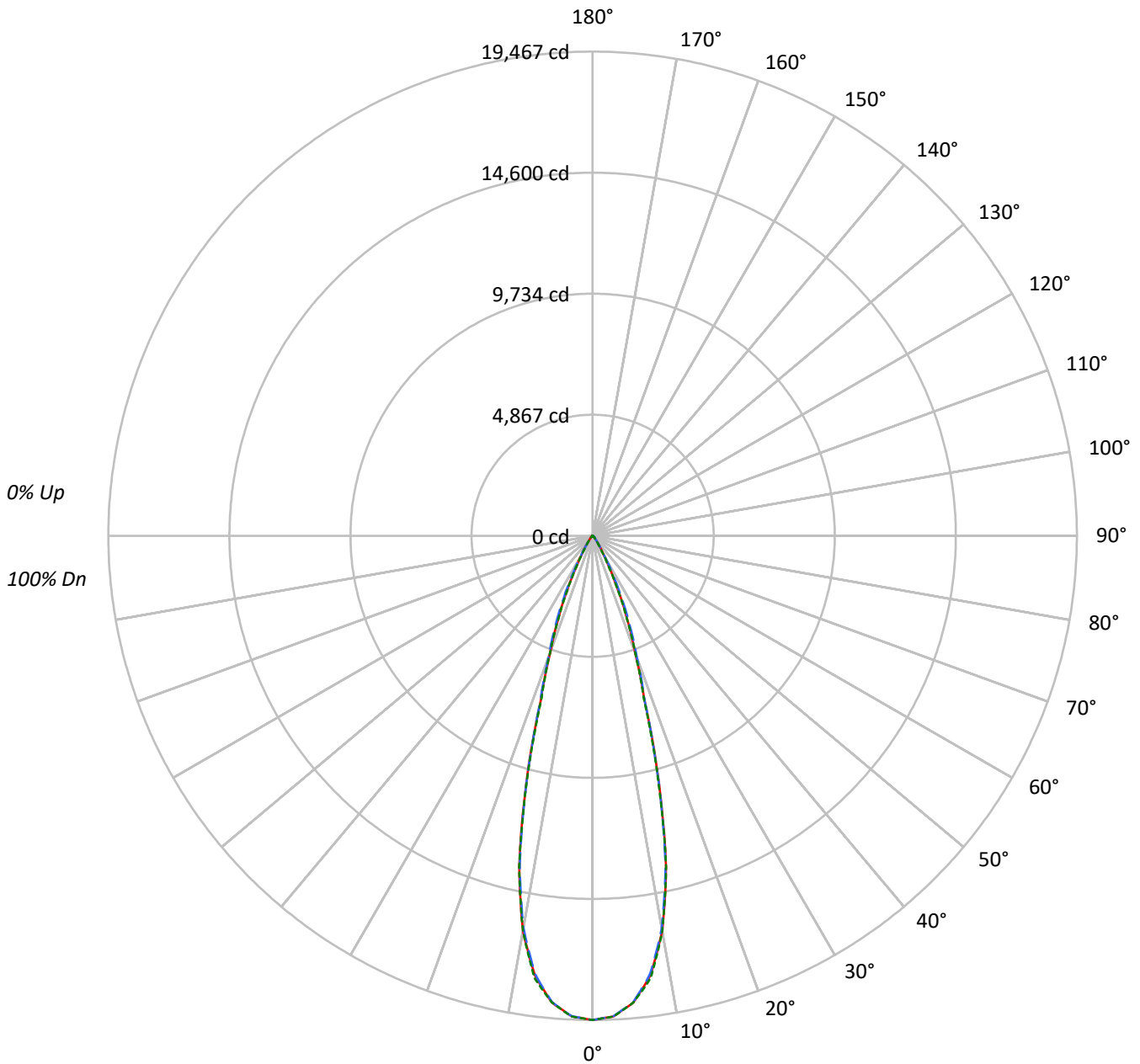


Downlight

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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°	1490078	1490078	1490078
5°	1447302	1445611	1447371
10°	1253583	1244738	1253287
15°	817896	813506	809417
20°	406701	421965	406155
25°	204866	231022	200668
30°	82030	89375	71468
35°	38050	36442	30546
40°	16427	18245	15468
45°	11583	14386	11691
50°	3989	10467	4215
55°	2295	4337	2429
60°	1607	1898	1607
65°	1032	1032	1032
70°	649	425	649
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 14386 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1711.8	28.3
10°-20°	2756.9	45.5
20°-30°	1191.3	19.7
30°-40°	271.5	4.5
40°-50°	93.2	1.5
50°-60°	22.8	0.4
60°-70°	5.9	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°	5660.1	93.5
0°-40°	5931.6	98.0
0°-60°	6047.7	99.9
0°-90°	6054.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6054.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19467	19467	19467	19467	19467	
5°	18836	18818	18814	18854	18837	1713
15°	10321	10197	10266	10232	10214	2764
25°	2426	2518	2735	2454	2376	1161
35°	407	416	390	387	327	276
45°	107	133	133	133	108	76
55°	17	18	32	19	18	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°	19467.1	19467.1	19467.1	19467.1	19467.1
2.5°	19338.1	19324.7	19332.3	19341.9	19345.7
5°	18836.3	18818.1	18814.3	18853.5	18837.2
7.5°	17824.1	17798.3	17759.1	17848.0	17931.2
10°	16128.6	16099.9	16014.8	16056.9	16124.8
12.5°	13625.4	13532.7	13530.8	13664.6	13646.5
15°	10321.3	10197.1	10265.9	10232.5	10214.3
17.5°	6940.8	6893.0	6984.8	6957.0	6837.6
20°	4992.9	5005.4	5180.3	5092.3	4986.2
22.5°	3643.4	3688.3	3895.7	3669.2	3586.0
25°	2425.7	2517.5	2735.4	2453.5	2376.0
27.5°	1492.0	1534.0	1754.8	1472.8	1430.8
30°	928.1	907.0	1011.2	867.8	808.6
32.5°	608.8	582.1	615.5	552.4	504.6
35°	407.2	415.8	390.0	387.1	326.9
37.5°	254.2	292.5	258.1	275.3	210.3
40°	164.4	212.2	182.6	201.7	154.8
42.5°	134.8	163.4	150.1	159.6	137.6
45°	107.0	132.9	132.9	132.9	108.0
47.5°	59.3	88.9	113.7	90.8	63.1
50°	33.5	44.9	87.9	46.8	35.4
52.5°	22.9	25.8	60.2	26.8	23.9
55°	17.2	18.2	32.5	19.1	18.2
57.5°	13.4	14.3	17.2	14.3	13.4
60°	10.5	10.5	12.4	11.5	10.5
62.5°	7.6	7.6	8.6	7.6	7.6
65°	5.7	5.7	5.7	5.7	5.7
67.5°	2.9	3.8	3.8	3.8	3.8
70°	2.9	1.9	1.9	1.9	2.9
72.5°	1.9	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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