

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: P773434

Luminaire Tested: LD6D90BD010-EU6DR3070959035-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773434
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: LD6D90BD010-EU6DR3070959035-6LBDP1MW
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: 9609.0 lumens
Efficiency: N/A
Efficacy: 97.2 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): 98.9
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

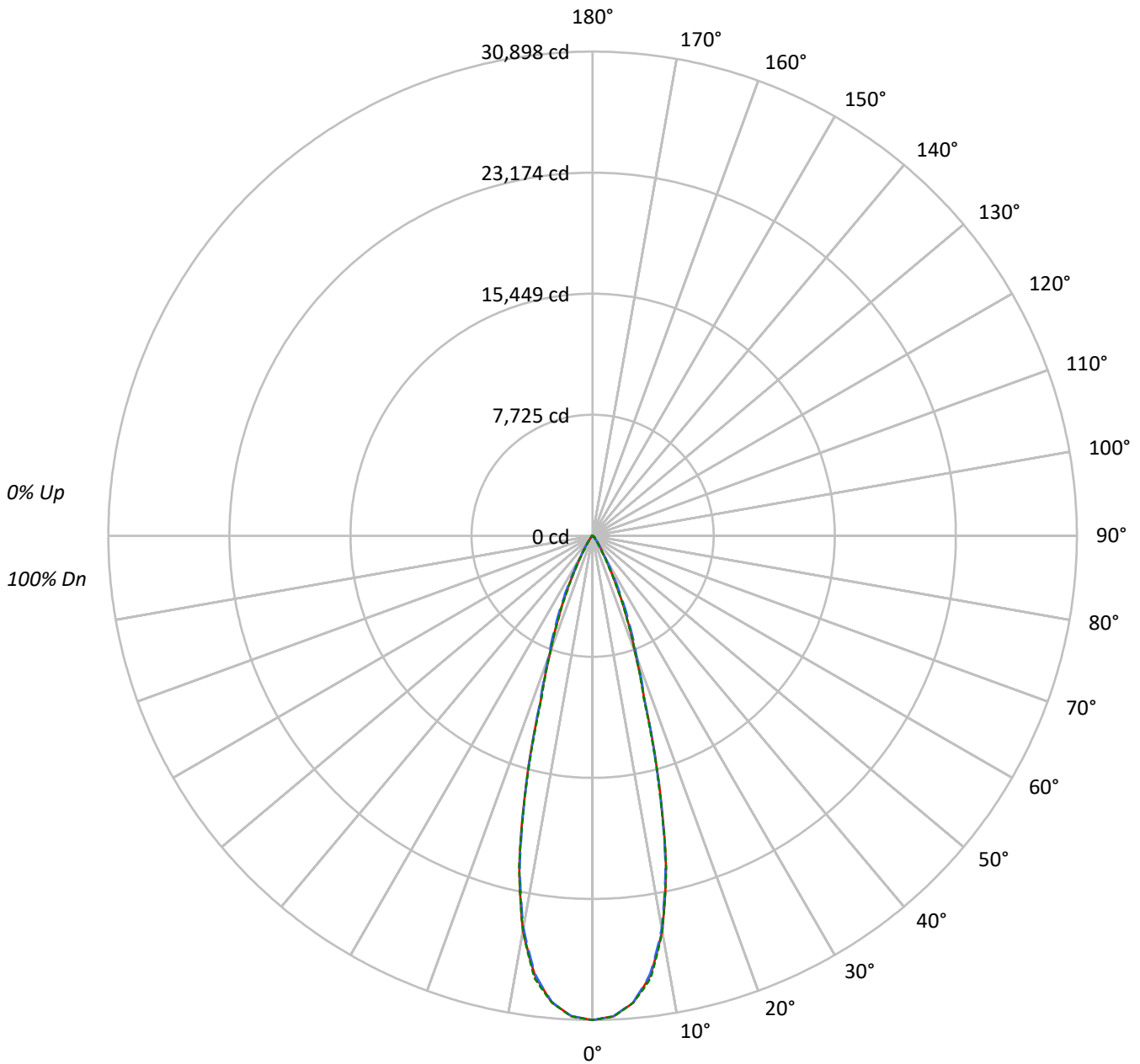


Downlight

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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°	2365015	2365015	2365015
5°	2297121	2294439	2297236
10°	1989654	1975625	1989188
15°	1298152	1291179	1284689
20°	645513	669729	644649
25°	325165	366675	318502
30°	130191	141857	113433
35°	60382	57831	48478
40°	26069	28947	24550
45°	18391	22830	18554
50°	6323	16624	6680
55°	3643	6886	3843
60°	2557	3016	2557
65°	1648	1648	1648
70°	1029	671	1029
75°	0	444	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 22830 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2717.0	28.3
10°-20°	4375.7	45.5
20°-30°	1890.9	19.7
30°-40°	431.0	4.5
40°-50°	148.0	1.5
50°-60°	36.1	0.4
60°-70°	9.4	0.1
70°-80°	1.0	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°	8983.6	93.5
0°-40°	9414.6	98.0
0°-60°	9598.7	99.9
0°-90°	9609.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9609.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	30898	30898	30898	30898	30898	
5°	29896	29868	29862	29924	29898	2719
15°	16382	16185	16294	16241	16212	4386
25°	3850	3996	4342	3894	3771	1843
35°	646	660	619	614	519	438
45°	170	211	211	211	171	121
55°	27	29	52	30	29	27
65°	9	9	9	9	9	9
75°	0	0	2	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°	30897.7	30897.7	30897.7	30897.7	30897.7
2.5°	30692.9	30671.7	30683.8	30699.0	30705.1
5°	29896.5	29867.7	29861.6	29923.8	29898.0
7.5°	28290.0	28249.1	28186.9	28328.0	28459.9
10°	25598.9	25553.4	25418.4	25485.2	25592.9
12.5°	21626.0	21478.8	21475.8	21688.2	21659.3
15°	16381.8	16184.6	16293.8	16240.7	16211.9
17.5°	11016.3	10940.4	11086.0	11042.0	10852.4
20°	7924.7	7944.4	8222.0	8082.4	7914.1
22.5°	5782.7	5854.0	6183.2	5823.7	5691.7
25°	3850.1	3995.7	4341.6	3894.1	3771.2
27.5°	2368.0	2434.7	2785.2	2337.7	2270.9
30°	1473.0	1439.6	1605.0	1377.4	1283.4
32.5°	966.3	923.8	976.9	876.8	801.0
35°	646.2	659.9	618.9	614.4	518.8
37.5°	403.5	464.2	409.6	436.9	333.7
40°	260.9	336.8	289.7	320.1	245.7
42.5°	213.9	259.4	238.2	253.3	218.4
45°	169.9	210.9	210.9	210.9	171.4
47.5°	94.1	141.1	180.5	144.1	100.1
50°	53.1	71.3	139.6	74.3	56.1
52.5°	36.4	41.0	95.6	42.5	37.9
55°	27.3	28.8	51.6	30.3	28.8
57.5°	21.2	22.8	27.3	22.8	21.2
60°	16.7	16.7	19.7	18.2	16.7
62.5°	12.1	12.1	13.7	12.1	12.1
65°	9.1	9.1	9.1	9.1	9.1
67.5°	4.6	6.1	6.1	6.1	6.1
70°	4.6	3.0	3.0	3.0	4.6
72.5°	3.0	1.5	1.5	1.5	1.5
75°	0.0	0.0	1.5	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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