

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: P773392

Luminaire Tested: LD6D90BD010-EU6DR3070959024-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773392
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-EU6DR3070959024-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7353.7 lumens
Efficiency: N/A
Efficacy: 74.4 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

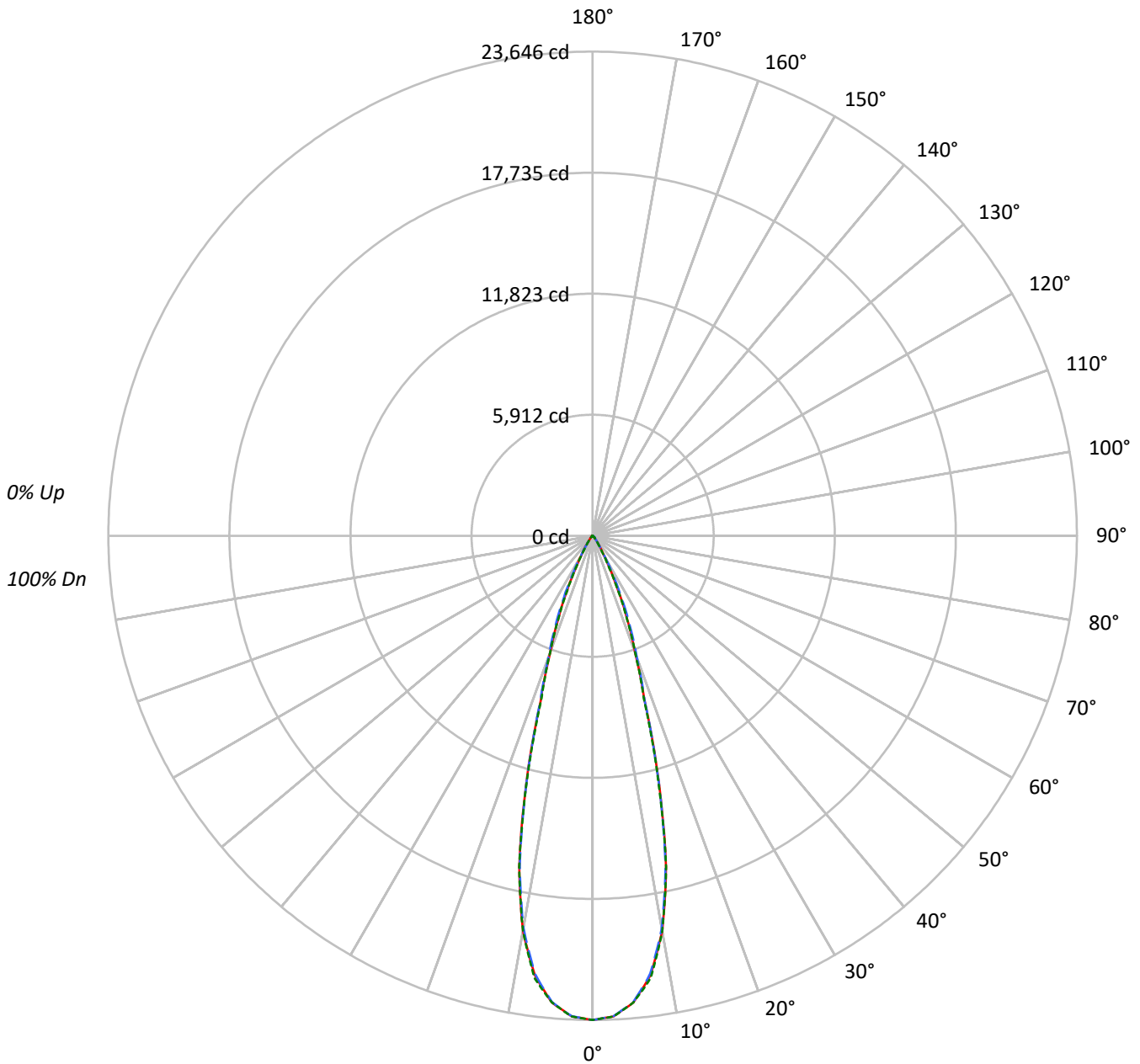


Downlight

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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°	1809930	1809930	1809930
5°	1757972	1755920	1758056
10°	1522672	1511930	1522306
15°	993469	988128	983159
20°	494005	512536	493345
25°	248842	280614	243749
30°	99636	108563	86803
35°	46217	44264	37097
40°	19954	22152	18795
45°	14072	17471	14202
50°	4835	12718	5120
55°	2789	5271	2949
60°	1960	2312	1960
65°	1268	1268	1268
70°	783	515	783
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 17471 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2079.3	28.3
10°-20°	3348.7	45.5
20°-30°	1447.1	19.7
30°-40°	329.8	4.5
40°-50°	113.3	1.5
50°-60°	27.7	0.4
60°-70°	7.2	0.1
70°-80°	0.8	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°	6875.1	93.5
0°-40°	7204.9	98.0
0°-60°	7345.8	99.9
0°-90°	7353.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7353.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23646	23646	23646	23646	23646	
5°	22880	22858	22853	22900	22881	2081
15°	12537	12386	12470	12429	12407	3357
25°	2946	3058	3323	2980	2886	1410
35°	495	505	474	470	397	335
45°	130	161	161	161	131	92
55°	21	22	40	23	22	20
65°	7	7	7	7	7	7
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°	23645.8	23645.8	23645.8	23645.8	23645.8
2.5°	23489.1	23472.8	23482.1	23493.7	23498.4
5°	22879.6	22857.5	22852.9	22900.5	22880.7
7.5°	21650.2	21618.8	21571.2	21679.2	21780.2
10°	19590.7	19555.8	19452.5	19503.6	19586.0
12.5°	16550.2	16437.6	16435.3	16597.8	16575.7
15°	12536.9	12386.0	12469.5	12428.9	12406.8
17.5°	8430.7	8372.6	8484.1	8450.4	8305.3
20°	6064.7	6079.8	6292.2	6185.4	6056.6
22.5°	4425.5	4480.0	4731.9	4456.8	4355.8
25°	2946.4	3057.9	3322.6	2980.1	2886.1
27.5°	1812.2	1863.3	2131.5	1789.0	1737.9
30°	1127.3	1101.7	1228.3	1054.1	982.1
32.5°	739.5	707.0	747.6	671.0	613.0
35°	494.6	505.0	473.7	470.2	397.0
37.5°	308.8	355.2	313.5	334.3	255.4
40°	199.7	257.7	221.7	245.0	188.1
42.5°	163.7	198.5	182.3	193.9	167.2
45°	130.0	161.4	161.4	161.4	131.2
47.5°	72.0	108.0	138.2	110.3	76.6
50°	40.6	54.6	106.8	56.9	43.0
52.5°	27.9	31.3	73.1	32.5	29.0
55°	20.9	22.1	39.5	23.2	22.1
57.5°	16.3	17.4	20.9	17.4	16.3
60°	12.8	12.8	15.1	13.9	12.8
62.5°	9.3	9.3	10.4	9.3	9.3
65°	7.0	7.0	7.0	7.0	7.0
67.5°	3.5	4.6	4.6	4.6	4.6
70°	3.5	2.3	2.3	2.3	3.5
72.5°	2.3	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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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