

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: P770305

Luminaire Tested: LD6D70BD010-EU6DR3070959030-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770305
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: LD6D70BD010-EU6DR3070959030-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7886.9 lumens
Efficiency: N/A
Efficacy: 118.4 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): 66.6
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

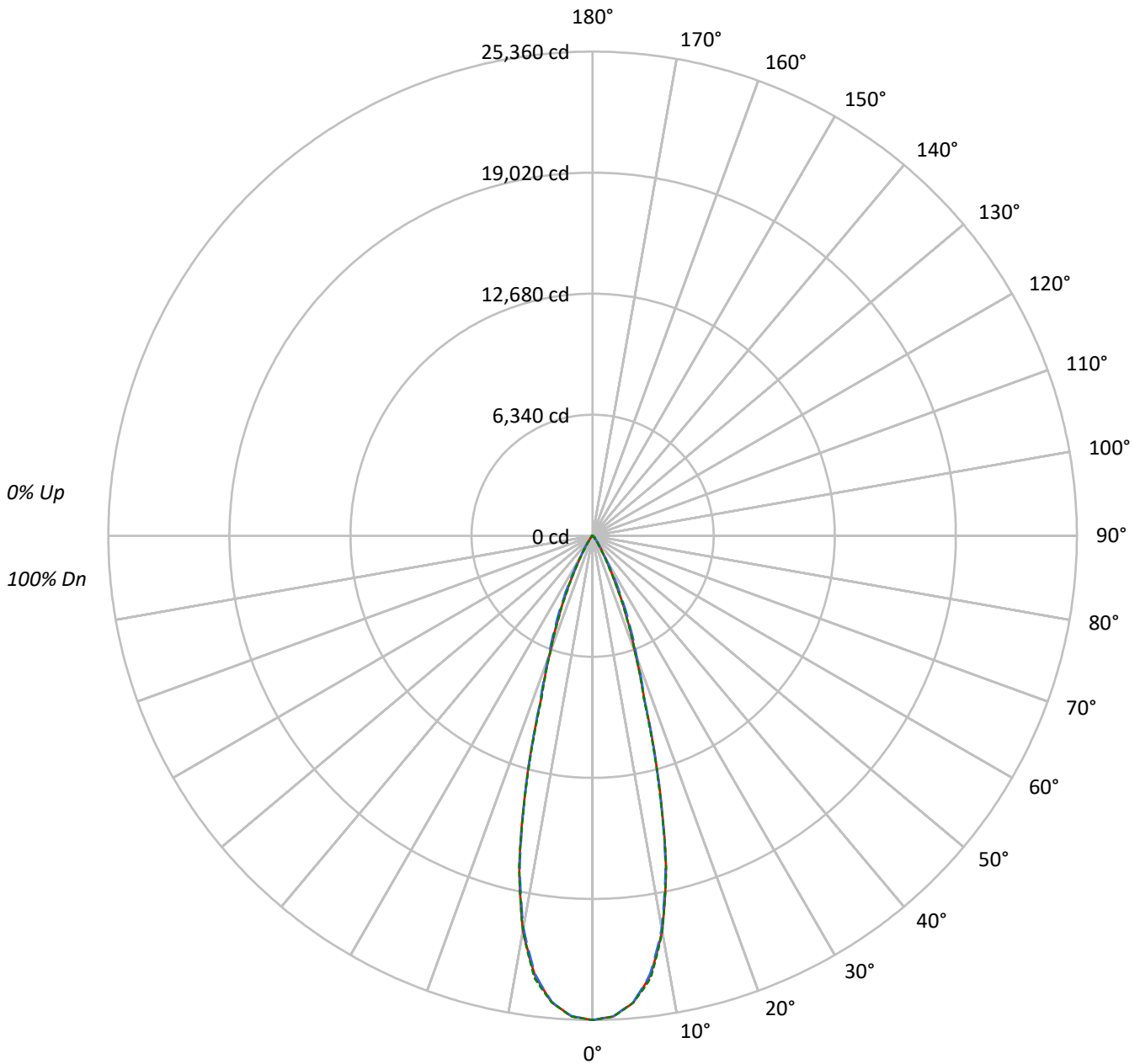


Downlight

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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°	1941148	1941148	1941148
5°	1885419	1883222	1885512
10°	1633063	1621544	1632675
15°	1065493	1059764	1054439
20°	529821	549696	529112
25°	266882	300960	261418
30°	106857	116429	93096
35°	49562	47469	39788
40°	21403	23761	20154
45°	15101	18738	15231
50°	5192	13635	5490
55°	2989	5645	3163
60°	2097	2480	2097
65°	1358	1358	1358
70°	828	559	828
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 18738 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2230.0	28.3
10°-20°	3591.5	45.5
20°-30°	1552.0	19.7
30°-40°	353.7	4.5
40°-50°	121.5	1.5
50°-60°	29.7	0.4
60°-70°	7.7	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°	7373.5	93.5
0°-40°	7727.2	98.0
0°-60°	7878.4	99.9
0°-90°	7886.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7886.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	25360	25360	25360	25360	25360	
5°	24538	24515	24510	24561	24540	2232
15°	13446	13284	13374	13330	13306	3600
25°	3160	3280	3564	3196	3095	1513
35°	530	542	508	504	426	360
45°	140	173	173	173	141	99
55°	22	24	42	25	24	22
65°	8	8	8	8	8	7
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	25360.1	25360.1	25360.1	25360.1	25360.1
2.5°	25192.0	25174.5	25184.5	25197.0	25201.9
5°	24538.3	24514.6	24509.7	24560.7	24539.5
7.5°	23219.7	23186.1	23135.1	23250.9	23359.2
10°	21011.0	20973.6	20862.8	20917.6	21006.0
12.5°	17750.1	17629.3	17626.8	17801.1	17777.4
15°	13445.8	13283.9	13373.5	13330.0	13306.3
17.5°	9041.9	8979.6	9099.1	9063.0	8907.4
20°	6504.4	6520.6	6748.4	6633.9	6495.7
22.5°	4746.3	4804.8	5075.0	4779.9	4671.6
25°	3160.0	3279.6	3563.5	3196.2	3095.3
27.5°	1943.6	1998.4	2286.0	1918.7	1863.9
30°	1209.0	1181.6	1317.3	1130.5	1053.3
32.5°	793.1	758.3	801.8	719.7	657.4
35°	530.4	541.6	508.0	504.3	425.8
37.5°	331.2	381.0	336.2	358.6	273.9
40°	214.2	276.4	237.8	262.7	201.7
42.5°	175.6	212.9	195.5	207.9	179.3
45°	139.5	173.1	173.1	173.1	140.7
47.5°	77.2	115.8	148.2	118.3	82.2
50°	43.6	58.5	114.5	61.0	46.1
52.5°	29.9	33.6	78.4	34.9	31.1
55°	22.4	23.7	42.3	24.9	23.7
57.5°	17.4	18.7	22.4	18.7	17.4
60°	13.7	13.7	16.2	14.9	13.7
62.5°	10.0	10.0	11.2	10.0	10.0
65°	7.5	7.5	7.5	7.5	7.5
67.5°	3.7	5.0	5.0	5.0	5.0
70°	3.7	2.5	2.5	2.5	3.7
72.5°	2.5	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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