

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: P770344

Luminaire Tested: LD6D70BD010-EU6DR3070959050-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770344
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-EU6DR3070959050-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8402.1 lumens
Efficiency: N/A
Efficacy: 126.2 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): 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

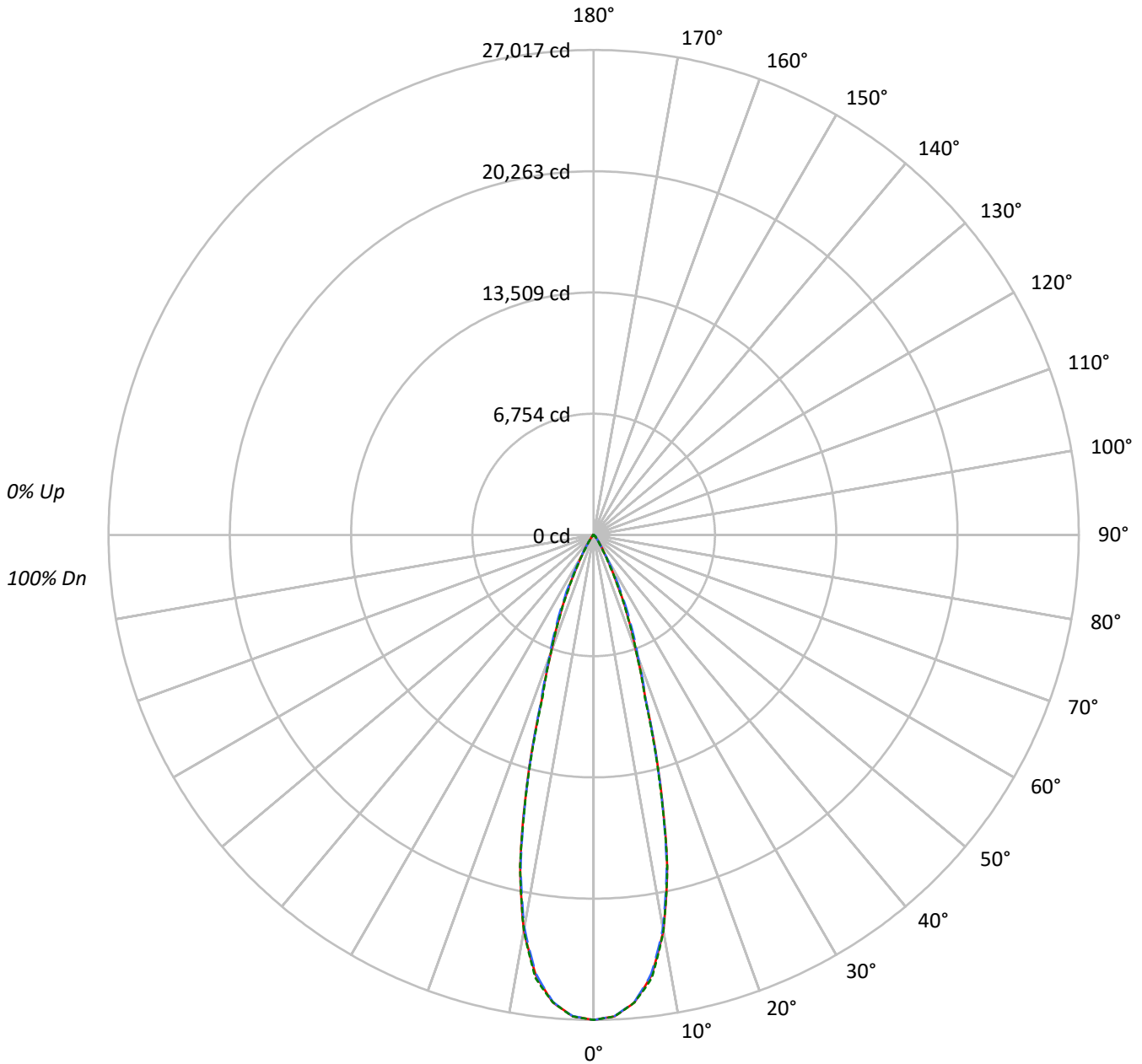


Downlight

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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	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°	2067965	2067965	2067965
5°	2008603	2006259	2008702
10°	1739755	1727483	1739343
15°	1135101	1129007	1123333
20°	564432	585610	563674
25°	284322	320621	278495
30°	113839	124039	99185
35°	52804	50571	42385
40°	22792	25310	21473
45°	16086	19961	16226
50°	5525	14528	5847
55°	3189	6019	3363
60°	2235	2633	2235
65°	1449	1449	1449
70°	895	604	895
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 19961 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2375.7	28.3
10°-20°	3826.1	45.5
20°-30°	1653.4	19.7
30°-40°	376.8	4.5
40°-50°	129.4	1.5
50°-60°	31.6	0.4
60°-70°	8.2	0.1
70°-80°	0.9	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°	7855.2	93.5
0°-40°	8232.1	98.0
0°-60°	8393.1	99.9
0°-90°	8402.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8402.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	27017	27017	27017	27017	27017	
5°	26142	26116	26111	26165	26143	2378
15°	14324	14152	14247	14201	14176	3835
25°	3366	3494	3796	3405	3298	1611
35°	565	577	541	537	454	383
45°	149	184	184	184	150	105
55°	24	25	45	26	25	23
65°	8	8	8	8	8	8
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°	27016.9	27016.9	27016.9	27016.9	27016.9
2.5°	26837.9	26819.3	26829.9	26843.2	26848.5
5°	26141.5	26116.3	26111.0	26165.3	26142.8
7.5°	24736.8	24701.0	24646.6	24769.9	24885.3
10°	22383.7	22343.9	22225.8	22284.2	22378.4
12.5°	18909.7	18781.1	18778.4	18964.1	18938.9
15°	14324.2	14151.8	14247.3	14200.9	14175.7
17.5°	9632.6	9566.3	9693.6	9655.2	9489.3
20°	6929.3	6946.6	7189.3	7067.3	6920.0
22.5°	5056.4	5118.7	5406.6	5092.2	4976.8
25°	3366.5	3493.8	3796.3	3405.0	3297.5
27.5°	2070.6	2128.9	2435.3	2044.0	1985.7
30°	1288.0	1258.8	1403.4	1204.4	1122.2
32.5°	844.9	807.8	854.2	766.7	700.4
35°	565.1	577.0	541.2	537.2	453.6
37.5°	352.8	405.9	358.1	382.0	291.8
40°	228.1	294.5	253.3	279.9	214.9
42.5°	187.0	226.8	208.3	221.5	191.0
45°	148.6	184.4	184.4	184.4	149.9
47.5°	82.2	123.4	157.8	126.0	87.5
50°	46.4	62.3	122.0	65.0	49.1
52.5°	31.8	35.8	83.6	37.1	33.2
55°	23.9	25.2	45.1	26.5	25.2
57.5°	18.6	19.9	23.9	19.9	18.6
60°	14.6	14.6	17.2	15.9	14.6
62.5°	10.6	10.6	11.9	10.6	10.6
65°	8.0	8.0	8.0	8.0	8.0
67.5°	4.0	5.3	5.3	5.3	5.3
70°	4.0	2.7	2.7	2.7	4.0
72.5°	2.7	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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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