

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: P770338

Luminaire Tested: LD6D70BD010-EU6DR3070959050-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770338
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-EU6DR3070959050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8397.3 lumens
Efficiency: N/A
Efficacy: 126.1 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

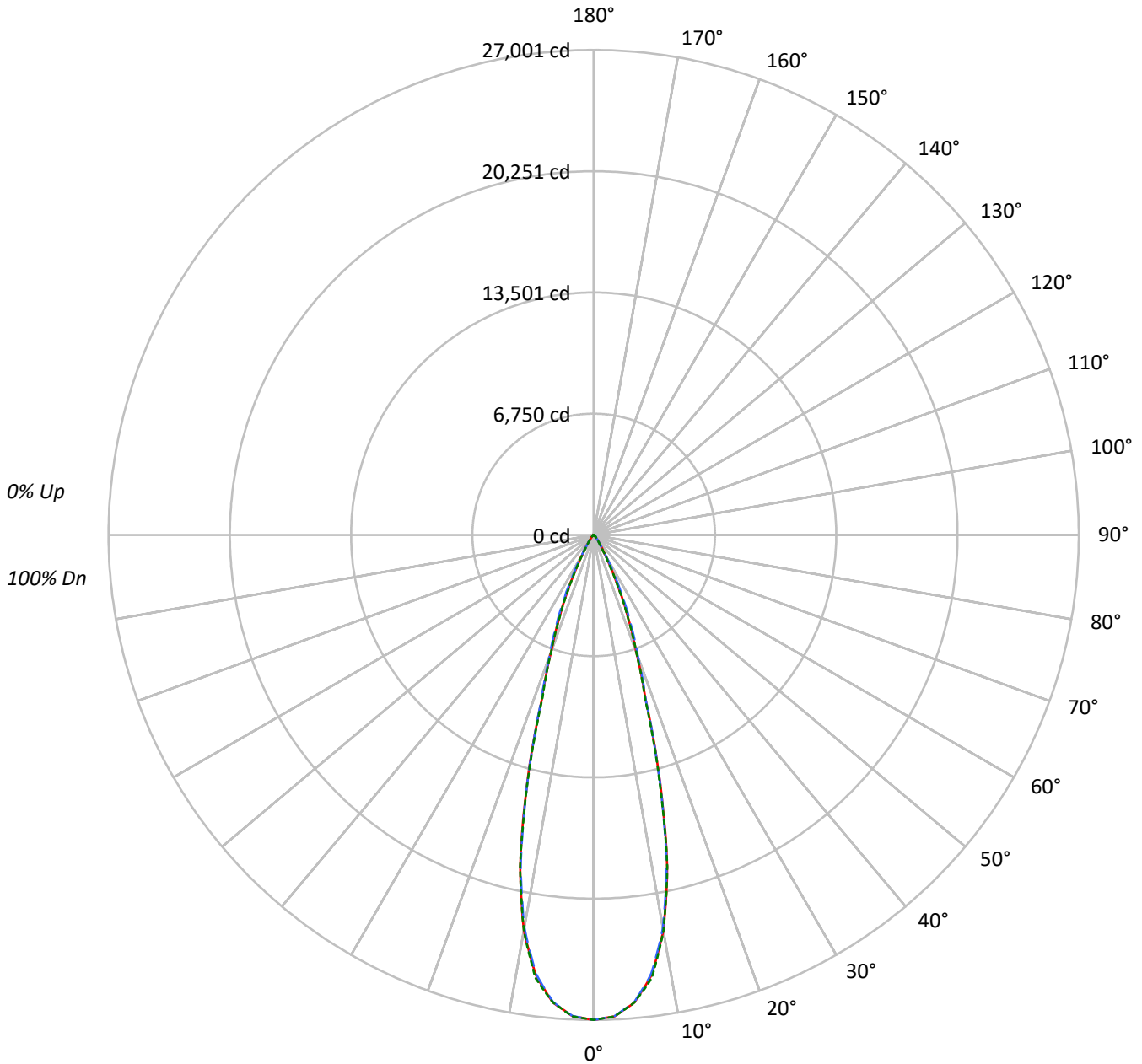
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2066764	2066764	2066764
5°	2007435	2005091	2007535
10°	1738745	1726480	1738333
15°	1134443	1128349	1122675
20°	564106	585268	563348
25°	284162	320436	278334
30°	113769	123968	99123
35°	52767	50543	42367
40°	22782	25300	21463
45°	16075	19950	16216
50°	5525	14528	5835
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: 19950 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2374.3	28.3
10°-20°	3823.9	45.5
20°-30°	1652.4	19.7
30°-40°	376.6	4.5
40°-50°	129.3	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°	7850.7	93.5
0°-40°	8227.3	98.0
0°-60°	8388.2	99.9
0°-90°	8397.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8397.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	27001	27001	27001	27001	27001	
5°	26126	26101	26096	26150	26128	2376
15°	14316	14144	14239	14193	14167	3833
25°	3365	3492	3794	3403	3296	1611
35°	565	577	541	537	453	383
45°	148	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°	27001.2	27001.2	27001.2	27001.2	27001.2
2.5°	26822.3	26803.7	26814.3	26827.6	26832.9
5°	26126.3	26101.1	26095.8	26150.2	26127.6
7.5°	24722.4	24686.6	24632.3	24755.6	24870.9
10°	22370.7	22330.9	22212.9	22271.3	22365.4
12.5°	18898.8	18770.2	18767.5	18953.1	18927.9
15°	14315.9	14143.6	14239.0	14192.6	14167.4
17.5°	9627.0	9560.7	9688.0	9649.6	9483.8
20°	6925.3	6942.5	7185.1	7063.2	6916.0
22.5°	5053.5	5115.8	5403.4	5089.2	4973.9
25°	3364.6	3491.8	3794.1	3403.0	3295.6
27.5°	2069.4	2127.7	2433.9	2042.9	1984.5
30°	1287.2	1258.1	1402.6	1203.7	1121.5
32.5°	844.5	807.3	853.7	766.2	700.0
35°	564.7	576.7	540.9	536.9	453.4
37.5°	352.6	405.7	357.9	381.8	291.6
40°	228.0	294.3	253.2	279.7	214.8
42.5°	186.9	226.7	208.1	221.4	190.9
45°	148.5	184.3	184.3	184.3	149.8
47.5°	82.2	123.3	157.8	125.9	87.5
50°	46.4	62.3	122.0	65.0	49.0
52.5°	31.8	35.8	83.5	37.1	33.1
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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