

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: P770326

Luminaire Tested: LD6D70BD010-EU6DR3070959040-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770326
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-EU6DR3070959040-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8754.6 lumens
Efficiency: N/A
Efficacy: 131.5 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

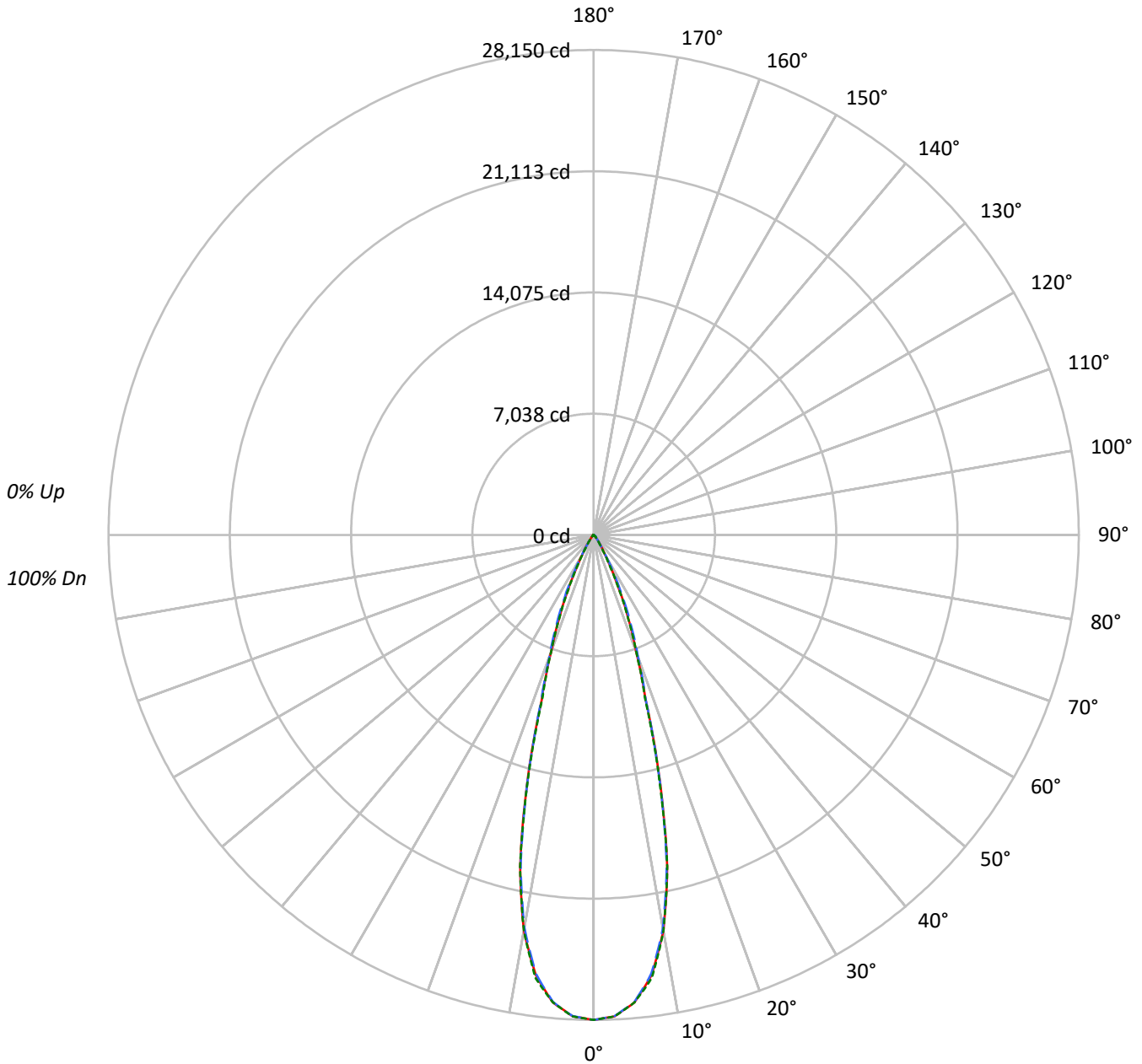
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	2154712	2154712	2154712
5°	2092861	2090417	2092961
10°	1812730	1799953	1812303
15°	1182718	1176363	1170451
20°	588111	610177	587321
25°	296247	334067	290183
30°	118612	129236	103339
35°	55019	52692	44170
40°	23751	26379	22372
45°	16757	20795	16908
50°	5763	15147	6085
55°	3323	6272	3510
60°	2327	2756	2327
65°	1503	1503	1503
70°	918	627	918
75°	0	414	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 20795 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2475.4	28.3
10°-20°	3986.6	45.5
20°-30°	1722.7	19.7
30°-40°	392.6	4.5
40°-50°	134.8	1.5
50°-60°	32.9	0.4
60°-70°	8.5	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°	8184.8	93.5
0°-40°	8577.4	98.0
0°-60°	8745.1	99.9
0°-90°	8754.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8754.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	28150	28150	28150	28150	28150	
5°	27238	27212	27206	27263	27239	2477
15°	14925	14745	14845	14797	14770	3996
25°	3508	3640	3956	3548	3436	1679
35°	589	601	564	560	473	399
45°	155	192	192	192	156	110
55°	25	26	47	28	26	24
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°	28150.2	28150.2	28150.2	28150.2	28150.2
2.5°	27963.7	27944.3	27955.4	27969.2	27974.7
5°	27238.1	27211.8	27206.3	27262.9	27239.4
7.5°	25774.4	25737.1	25680.5	25809.0	25929.2
10°	23322.6	23281.2	23158.2	23219.0	23317.1
12.5°	19703.0	19568.9	19566.1	19759.6	19733.4
15°	14925.1	14745.4	14844.9	14796.6	14770.3
17.5°	10036.7	9967.6	10100.3	10060.2	9887.4
20°	7220.0	7238.0	7490.9	7363.7	7210.3
22.5°	5268.5	5333.5	5633.4	5305.8	5185.6
25°	3507.7	3640.4	3955.5	3547.8	3435.9
27.5°	2157.4	2218.2	2537.5	2129.8	2069.0
30°	1342.0	1311.6	1462.2	1254.9	1169.2
32.5°	880.4	841.7	890.1	798.8	729.7
35°	588.8	601.2	563.9	559.7	472.7
37.5°	367.6	422.9	373.2	398.0	304.1
40°	237.7	306.8	264.0	291.6	223.9
42.5°	194.9	236.3	217.0	230.8	199.0
45°	154.8	192.1	192.1	192.1	156.2
47.5°	85.7	128.5	164.5	131.3	91.2
50°	48.4	65.0	127.2	67.7	51.1
52.5°	33.2	37.3	87.1	38.7	34.6
55°	24.9	26.3	47.0	27.6	26.3
57.5°	19.3	20.7	24.9	20.7	19.3
60°	15.2	15.2	18.0	16.6	15.2
62.5°	11.1	11.1	12.4	11.1	11.1
65°	8.3	8.3	8.3	8.3	8.3
67.5°	4.1	5.5	5.5	5.5	5.5
70°	4.1	2.8	2.8	2.8	4.1
72.5°	2.8	1.4	1.4	1.4	1.4
75°	0.0	0.0	1.4	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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