

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: P770280

Luminaire Tested: LD6D70BD010-EU6DR3070959024-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770280
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-EU6DR3070959024-6LBSQW1B
Description: 6 INCH SQAURE 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: 5129.1 lumens
Efficiency: N/A
Efficacy: 77.0 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')

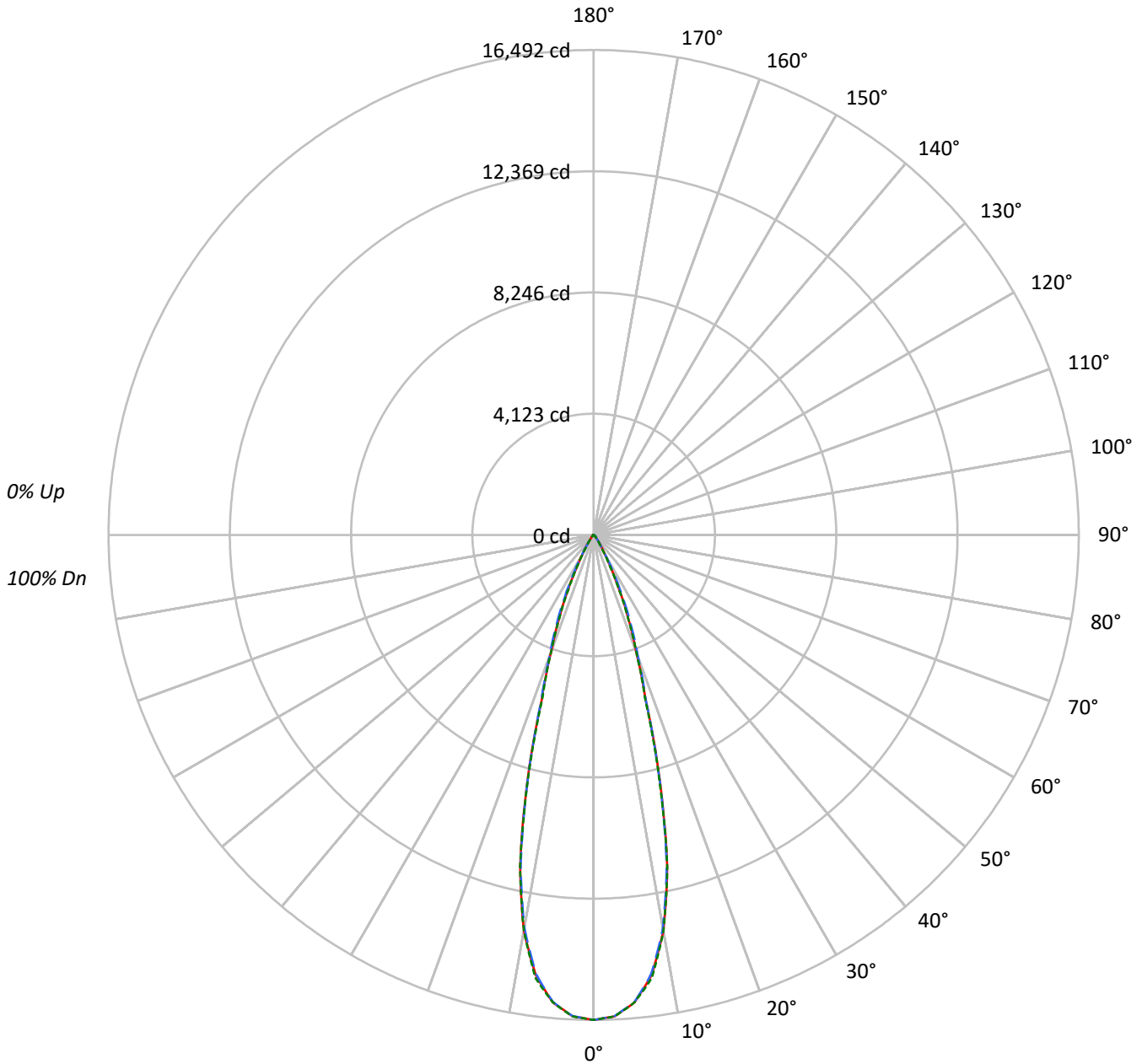
CIE Type: Direct

Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (Ain): 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



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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					70					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°	1262384	1262384	1262384
5°	1226145	1224716	1226207
10°	1062023	1054539	1061775
15°	692921	689197	685734
20°	344558	357485	344094
25°	173566	195719	170011
30°	69488	75719	60544
35°	32228	30873	25874
40°	13919	15458	13110
45°	9818	12189	9905
50°	3370	8871	3572
55°	1948	3670	2055
60°	1362	1607	1362
65°	887	887	887
70°	537	358	537
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 12189 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1450.3	28.3
10°-20°	2335.7	45.5
20°-30°	1009.3	19.7
30°-40°	230.0	4.5
40°-50°	79.0	1.5
50°-60°	19.3	0.4
60°-70°	5.0	0.1
70°-80°	0.5	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°	4795.2	93.5
0°-40°	5025.2	98.0
0°-60°	5123.5	99.9
0°-90°	5129.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5129.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16492	16492	16492	16492	16492	
5°	15958	15943	15939	15973	15959	1451
15°	8744	8639	8697	8669	8654	2341
25°	2055	2133	2317	2079	2013	984
35°	345	352	330	328	277	234
45°	91	113	113	113	92	64
55°	15	15	28	16	15	14
65°	5	5	5	5	5	5
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°	16492.4	16492.4	16492.4	16492.4	16492.4
2.5°	16383.1	16371.7	16378.2	16386.3	16389.6
5°	15958.0	15942.6	15939.4	15972.6	15958.8
7.5°	15100.5	15078.6	15045.4	15120.7	15191.2
10°	13664.0	13639.8	13567.7	13603.3	13660.8
12.5°	11543.4	11464.8	11463.2	11576.6	11561.2
15°	8744.2	8638.9	8697.2	8668.9	8653.5
17.5°	5880.2	5839.7	5917.4	5894.0	5792.7
20°	4230.0	4240.5	4388.7	4314.2	4224.3
22.5°	3086.7	3124.7	3300.4	3108.5	3038.1
25°	2055.1	2132.8	2317.4	2078.6	2013.0
27.5°	1264.0	1299.6	1486.6	1247.8	1212.2
30°	786.2	768.4	856.7	735.2	685.0
32.5°	515.8	493.1	521.5	468.0	427.5
35°	344.9	352.2	330.4	327.9	276.9
37.5°	215.4	247.8	218.6	233.2	178.1
40°	139.3	179.8	154.7	170.9	131.2
42.5°	114.2	138.5	127.1	135.2	116.6
45°	90.7	112.6	112.6	112.6	91.5
47.5°	50.2	75.3	96.4	76.9	53.4
50°	28.3	38.1	74.5	39.7	30.0
52.5°	19.4	21.9	51.0	22.7	20.2
55°	14.6	15.4	27.5	16.2	15.4
57.5°	11.3	12.1	14.6	12.1	11.3
60°	8.9	8.9	10.5	9.7	8.9
62.5°	6.5	6.5	7.3	6.5	6.5
65°	4.9	4.9	4.9	4.9	4.9
67.5°	2.4	3.2	3.2	3.2	3.2
70°	2.4	1.6	1.6	1.6	2.4
72.5°	1.6	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.8	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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