

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: P770345

Luminaire Tested: LD6D70BD010-EU6DR3070959050-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770345
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-EU6DR3070959050-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

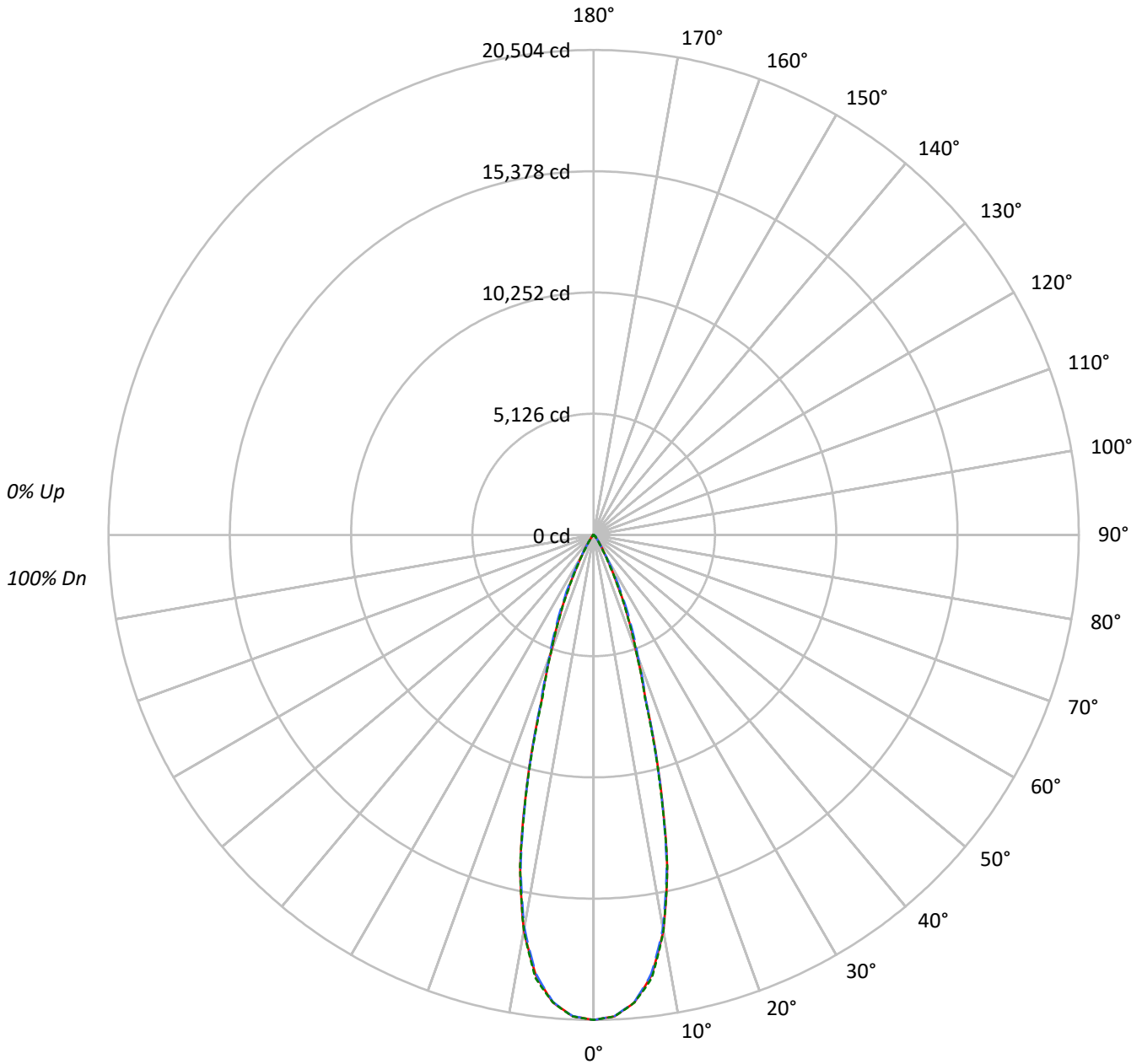
Lumens per Lamp: N/A
Luminaire Lumens: 6376.7 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

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									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°	1569469	1569469	1569469
5°	1524414	1522632	1524491
10°	1320371	1311060	1320060
15°	861480	856853	852542
20°	428376	444447	427798
25°	215786	243335	211360
30°	86396	94139	75277
35°	40077	38377	32172
40°	17306	19215	16297
45°	12200	15144	12319
50°	4192	11027	4430
55°	2415	4564	2549
60°	1699	2005	1699
65°	1087	1087	1087
70°	671	448	671
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 15144 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1803.0	28.3
10°-20°	2903.8	45.5
20°-30°	1254.8	19.7
30°-40°	286.0	4.5
40°-50°	98.2	1.5
50°-60°	24.0	0.4
60°-70°	6.2	0.1
70°-80°	0.7	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°	5961.7	93.5
0°-40°	6247.7	98.0
0°-60°	6369.8	99.9
0°-90°	6376.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6376.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20504	20504	20504	20504	20504	
5°	19840	19821	19817	19858	19841	1805
15°	10871	10740	10813	10778	10758	2911
25°	2555	2652	2881	2584	2503	1223
35°	429	438	411	408	344	291
45°	113	140	140	140	114	80
55°	18	19	34	20	19	18
65°	6	6	6	6	6	6
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°	20504.3	20504.3	20504.3	20504.3	20504.3
2.5°	20368.4	20354.3	20362.4	20372.4	20376.4
5°	19839.9	19820.8	19816.7	19858.0	19840.9
7.5°	18773.8	18746.6	18705.3	18799.0	18886.5
10°	16987.9	16957.7	16868.1	16912.4	16983.9
12.5°	14351.4	14253.7	14251.7	14392.7	14373.5
15°	10871.3	10740.4	10812.9	10777.6	10758.5
17.5°	7310.6	7260.3	7356.9	7327.7	7201.9
20°	5259.0	5272.0	5456.3	5363.7	5251.9
22.5°	3837.5	3884.8	4103.3	3864.7	3777.1
25°	2555.0	2651.6	2881.2	2584.2	2502.6
27.5°	1571.4	1615.7	1848.3	1551.3	1507.0
30°	977.5	955.4	1065.1	914.1	851.7
32.5°	641.3	613.1	648.3	581.9	531.5
35°	428.9	437.9	410.7	407.7	344.3
37.5°	267.8	308.0	271.8	289.9	221.5
40°	173.2	223.5	192.3	212.4	163.1
42.5°	141.9	172.1	158.1	168.1	145.0
45°	112.7	139.9	139.9	139.9	113.8
47.5°	62.4	93.6	119.8	95.6	66.4
50°	35.2	47.3	92.6	49.3	37.2
52.5°	24.2	27.2	63.4	28.2	25.2
55°	18.1	19.1	34.2	20.1	19.1
57.5°	14.1	15.1	18.1	15.1	14.1
60°	11.1	11.1	13.1	12.1	11.1
62.5°	8.1	8.1	9.1	8.1	8.1
65°	6.0	6.0	6.0	6.0	6.0
67.5°	3.0	4.0	4.0	4.0	4.0
70°	3.0	2.0	2.0	2.0	3.0
72.5°	2.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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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