

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P771125

Luminaire Tested: LD6D75BD010-EU6DR3070959050-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771125
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: LD6D75BD010-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

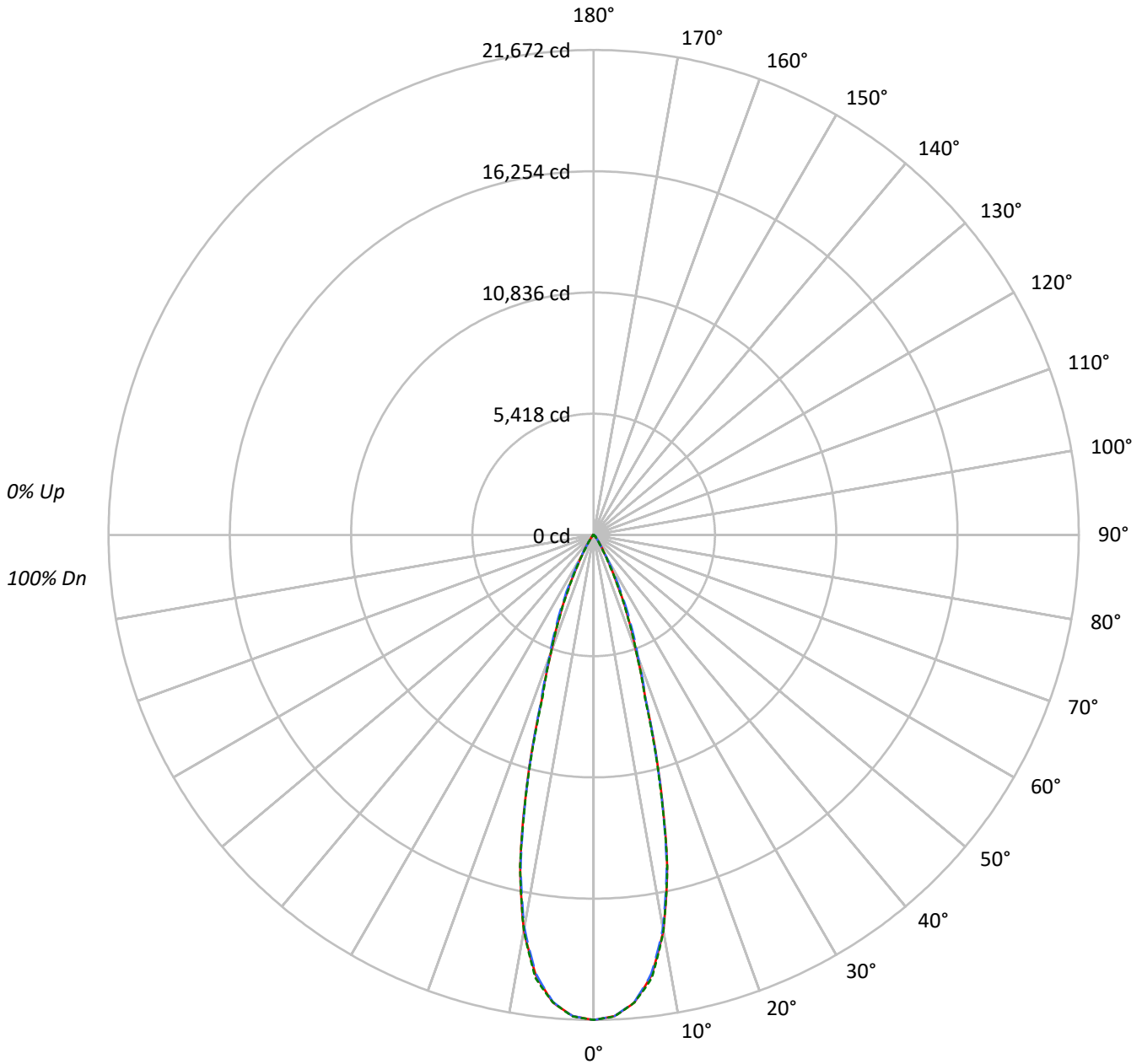
Lumens per Lamp: N/A
Luminaire Lumens: 6739.8 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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						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°	1658818	1658818	1658818
5°	1611200	1609318	1611285
10°	1395546	1385698	1395212
15°	910524	905635	901078
20°	452764	469747	452153
25°	228066	257186	223395
30°	91310	99495	79555
35°	42357	40563	34004
40°	18285	20304	17226
45°	12903	16010	13011
50°	4430	11658	4692
55°	2562	4831	2696
60°	1791	2113	1791
65°	1159	1159	1159
70°	716	470	716
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 16010 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1905.7	28.3
10°-20°	3069.1	45.5
20°-30°	1326.3	19.7
30°-40°	302.3	4.5
40°-50°	103.8	1.5
50°-60°	25.4	0.4
60°-70°	6.6	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°	6301.1	93.5
0°-40°	6603.4	98.0
0°-60°	6732.5	99.9
0°-90°	6739.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6739.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21672	21672	21672	21672	21672	
5°	20969	20949	20945	20988	20970	1907
15°	11490	11352	11428	11391	11371	3077
25°	2700	2803	3045	2731	2645	1293
35°	453	463	434	431	364	307
45°	119	148	148	148	120	85
55°	19	20	36	21	20	19
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°	21671.6	21671.6	21671.6	21671.6	21671.6
2.5°	21528.0	21513.1	21521.6	21532.2	21536.5
5°	20969.4	20949.2	20944.9	20988.5	20970.5
7.5°	19842.6	19813.9	19770.3	19869.2	19961.8
10°	17955.1	17923.1	17828.4	17875.3	17950.8
12.5°	15168.4	15065.2	15063.1	15212.1	15191.8
15°	11490.2	11351.9	11428.5	11391.2	11371.0
17.5°	7726.8	7673.6	7775.7	7744.9	7611.9
20°	5558.4	5572.2	5766.9	5669.0	5550.9
22.5°	4056.0	4106.0	4336.9	4084.7	3992.1
25°	2700.4	2802.6	3045.2	2731.3	2645.1
27.5°	1660.9	1707.7	1953.5	1639.6	1592.8
30°	1033.1	1009.7	1125.7	966.1	900.1
32.5°	677.8	648.0	685.2	615.0	561.8
35°	453.3	462.8	434.1	430.9	363.9
37.5°	283.0	325.6	287.3	306.4	234.1
40°	183.0	236.2	203.2	224.5	172.4
42.5°	150.0	181.9	167.0	177.7	153.2
45°	119.2	147.9	147.9	147.9	120.2
47.5°	66.0	99.0	126.6	101.1	70.2
50°	37.2	50.0	97.9	52.1	39.4
52.5°	25.5	28.7	67.0	29.8	26.6
55°	19.2	20.2	36.2	21.3	20.2
57.5°	14.9	16.0	19.2	16.0	14.9
60°	11.7	11.7	13.8	12.8	11.7
62.5°	8.5	8.5	9.6	8.5	8.5
65°	6.4	6.4	6.4	6.4	6.4
67.5°	3.2	4.3	4.3	4.3	4.3
70°	3.2	2.1	2.1	2.1	3.2
72.5°	2.1	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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