

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: P771121

Luminaire Tested: LD6D75BD010-EU6DR3070959050-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771121
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-EU6DR3070959050-6LBS1B
Description: 6 INCH ROUND SHALLOW 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: 8759.3 lumens
Efficiency: N/A
Efficacy: 121.0 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

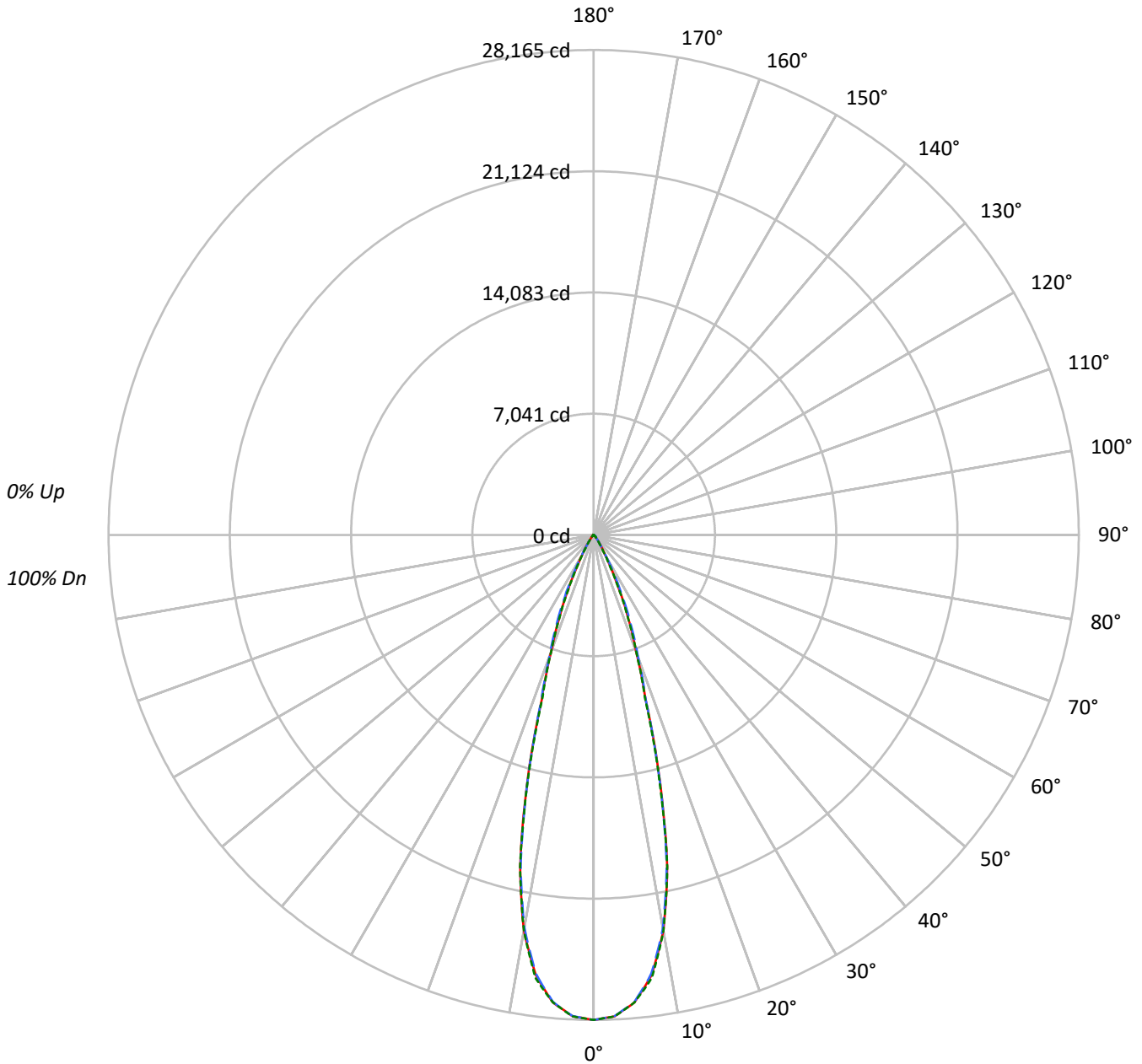
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	2155868	2155868	2155868
5°	2093982	2091539	2094082
10°	1813702	1800916	1813275
15°	1183352	1176997	1171077
20°	588428	610503	587638
25°	296408	334244	290335
30°	118674	129307	103401
35°	55047	52720	44189
40°	23761	26389	22382
45°	16768	20805	16919
50°	5763	15147	6097
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: 20805 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2476.7	28.3
10°-20°	3988.8	45.5
20°-30°	1723.7	19.7
30°-40°	392.9	4.5
40°-50°	134.9	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°	8189.1	93.5
0°-40°	8582.0	98.0
0°-60°	8749.8	99.9
0°-90°	8759.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8759.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	28165	28165	28165	28165	28165	
5°	27253	27226	27221	27278	27254	2479
15°	14933	14753	14853	14804	14778	3999
25°	3510	3642	3958	3550	3438	1680
35°	589	602	564	560	473	400
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°	28165.3	28165.3	28165.3	28165.3	28165.3
2.5°	27978.6	27959.3	27970.3	27984.2	27989.7
5°	27252.7	27226.4	27220.9	27277.6	27254.0
7.5°	25788.3	25750.9	25694.2	25822.8	25943.1
10°	23335.1	23293.6	23170.6	23231.4	23329.6
12.5°	19713.5	19579.4	19576.6	19770.2	19743.9
15°	14933.1	14753.3	14852.9	14804.5	14778.2
17.5°	10042.1	9972.9	10105.7	10065.6	9892.7
20°	7223.9	7241.8	7494.9	7367.7	7214.2
22.5°	5271.3	5336.3	5636.4	5308.7	5188.3
25°	3509.6	3642.4	3957.6	3549.7	3437.7
27.5°	2158.6	2219.4	2538.9	2130.9	2070.1
30°	1342.7	1312.3	1463.0	1255.6	1169.9
32.5°	880.9	842.1	890.5	799.3	730.1
35°	589.1	601.5	564.2	560.0	472.9
37.5°	367.8	423.1	373.4	398.3	304.2
40°	237.8	307.0	264.1	291.8	224.0
42.5°	195.0	236.5	217.1	230.9	199.1
45°	154.9	192.2	192.2	192.2	156.3
47.5°	85.7	128.6	164.6	131.4	91.3
50°	48.4	65.0	127.2	67.8	51.2
52.5°	33.2	37.3	87.1	38.7	34.6
55°	24.9	26.3	47.0	27.7	26.3
57.5°	19.4	20.7	24.9	20.7	19.4
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

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Scaled Data Report



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Scaled Data Report





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

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