

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: P771069

Luminaire Tested: LD6D75BD010-EU6DR3070959027-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771069
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-EU6DR3070959027-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7980.9 lumens
Efficiency: N/A
Efficacy: 110.2 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

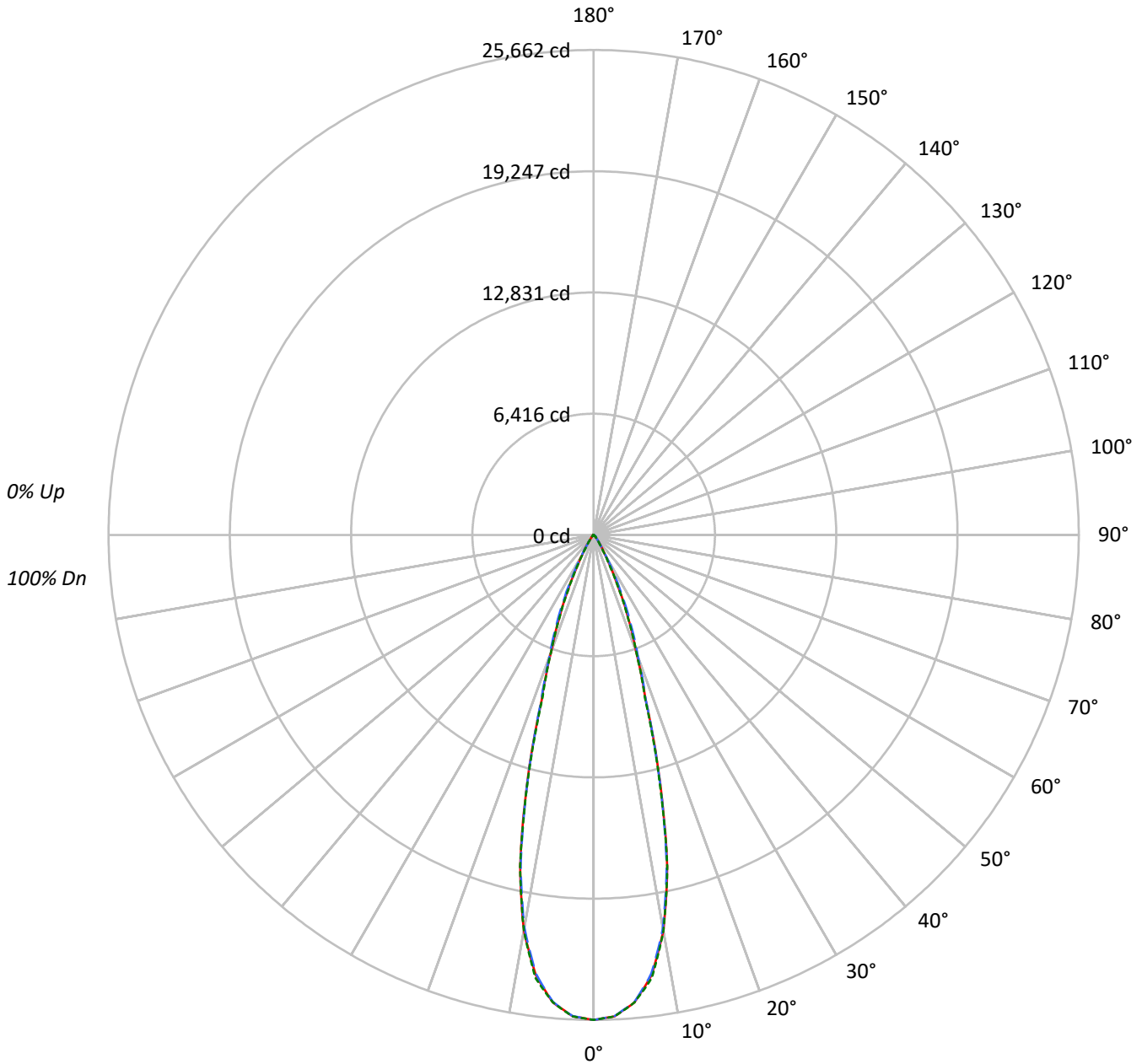
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	1964295	1964295	1964295
5°	1907909	1905681	1908001
10°	1652533	1640882	1652144
15°	1078196	1072403	1067014
20°	536134	556253	535417
25°	270066	304549	264534
30°	108130	117817	94209
35°	50150	48039	40264
40°	21653	24041	20394
45°	15274	18954	15415
50°	5251	13801	5549
55°	3029	5712	3189
60°	2128	2511	2128
65°	1376	1376	1376
70°	850	559	850
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 18954 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2256.6	28.3
10°-20°	3634.3	45.5
20°-30°	1570.5	19.7
30°-40°	357.9	4.5
40°-50°	122.9	1.5
50°-60°	30.0	0.4
60°-70°	7.8	0.1
70°-80°	0.8	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°	7461.4	93.5
0°-40°	7819.4	98.0
0°-60°	7972.3	99.9
0°-90°	7980.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7980.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	25662	25662	25662	25662	25662	
5°	24831	24807	24802	24854	24832	2258
15°	13606	13442	13533	13489	13465	3643
25°	3198	3319	3606	3234	3132	1531
35°	537	548	514	510	431	364
45°	141	175	175	175	142	100
55°	23	24	43	25	24	22
65°	8	8	8	8	8	7
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°	25662.5	25662.5	25662.5	25662.5	25662.5
2.5°	25492.4	25474.8	25484.9	25497.5	25502.5
5°	24831.0	24807.0	24802.0	24853.6	24832.2
7.5°	23496.7	23462.7	23411.0	23528.2	23637.8
10°	21261.5	21223.7	21111.6	21167.0	21256.5
12.5°	17961.7	17839.5	17837.0	18013.4	17989.5
15°	13606.1	13442.3	13533.0	13489.0	13465.0
17.5°	9149.7	9086.7	9207.7	9171.1	9013.6
20°	6581.9	6598.3	6828.9	6713.0	6573.1
22.5°	4802.9	4862.1	5135.5	4836.9	4727.3
25°	3197.7	3318.7	3606.0	3234.3	3132.2
27.5°	1966.8	2022.2	2313.3	1941.6	1886.1
30°	1223.4	1195.7	1333.0	1144.0	1065.9
32.5°	802.6	767.3	811.4	728.2	665.2
35°	536.7	548.1	514.1	510.3	430.9
37.5°	335.1	385.5	340.2	362.9	277.2
40°	216.7	279.7	240.6	265.8	204.1
42.5°	177.7	215.5	197.8	210.4	181.4
45°	141.1	175.1	175.1	175.1	142.4
47.5°	78.1	117.2	149.9	119.7	83.2
50°	44.1	59.2	115.9	61.7	46.6
52.5°	30.2	34.0	79.4	35.3	31.5
55°	22.7	23.9	42.8	25.2	23.9
57.5°	17.6	18.9	22.7	18.9	17.6
60°	13.9	13.9	16.4	15.1	13.9
62.5°	10.1	10.1	11.3	10.1	10.1
65°	7.6	7.6	7.6	7.6	7.6
67.5°	3.8	5.0	5.0	5.0	5.0
70°	3.8	2.5	2.5	2.5	3.8
72.5°	2.5	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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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