

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: P771082

Luminaire Tested: LD6D75BD010-EU6DR3070959030-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771082
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-EU6DR3070959030-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8222.1 lumens
Efficiency: N/A
Efficacy: 113.6 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

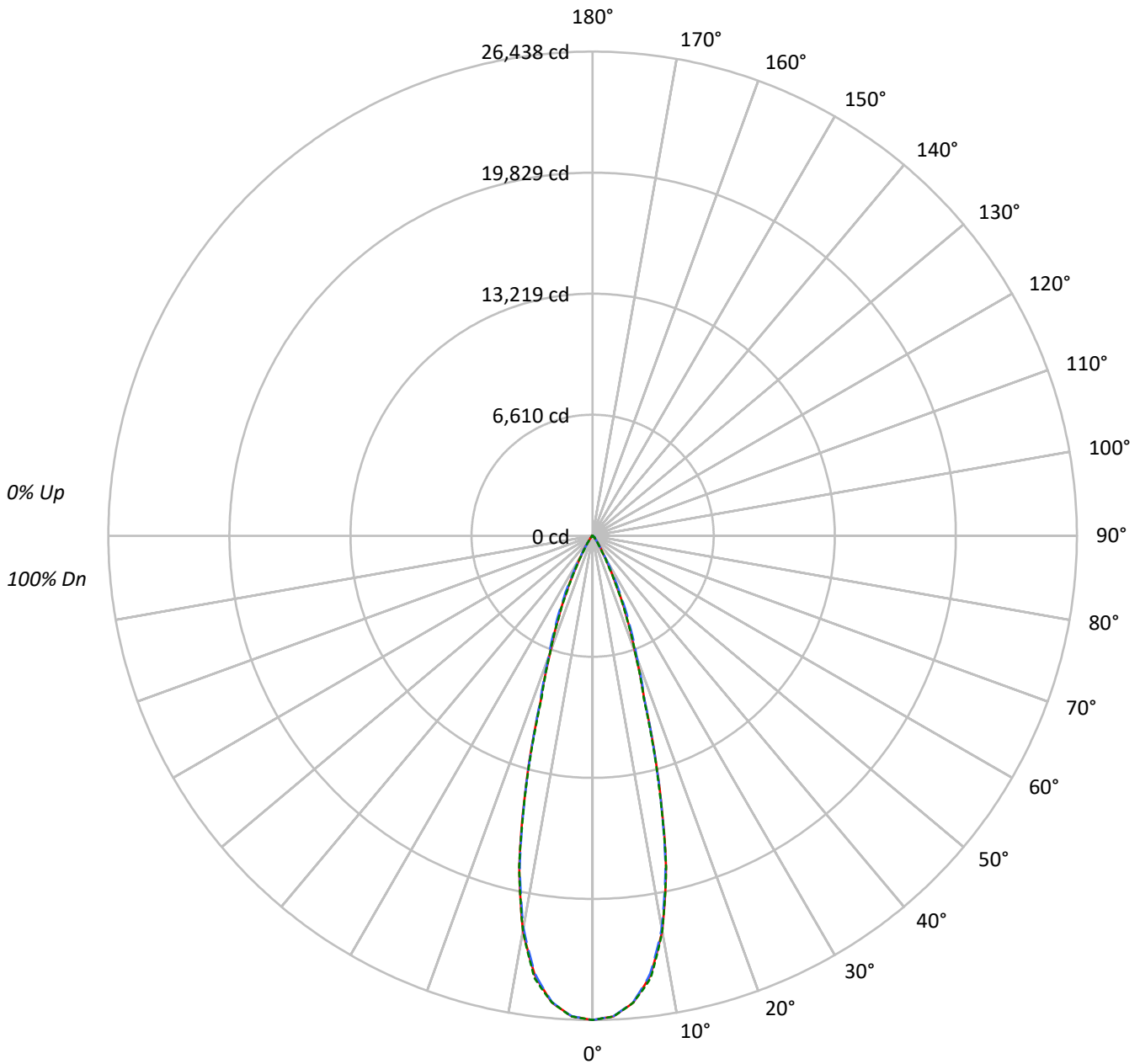
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	2023654	2023654	2023654
5°	1965559	1963269	1965659
10°	1702479	1690470	1702075
15°	1110781	1104814	1099259
20°	552335	573066	551602
25°	278233	313747	272532
30°	111400	121379	97055
35°	51674	49487	41479
40°	22312	24770	21013
45°	15739	19528	15880
50°	5406	14218	5716
55°	3123	5885	3296
60°	2189	2587	2189
65°	1413	1413	1413
70°	873	582	873
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 19528 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2324.8	28.3
10°-20°	3744.2	45.5
20°-30°	1617.9	19.7
30°-40°	368.8	4.5
40°-50°	126.6	1.5
50°-60°	30.9	0.4
60°-70°	8.0	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°	7686.9	93.5
0°-40°	8055.7	98.0
0°-60°	8213.2	99.9
0°-90°	8222.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8222.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26438	26438	26438	26438	26438	
5°	25581	25557	25552	25605	25583	2327
15°	14017	13849	13942	13897	13872	3753
25°	3294	3419	3715	3332	3227	1577
35°	553	565	530	526	444	375
45°	145	180	180	180	147	103
55°	23	25	44	26	25	23
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°	26438.0	26438.0	26438.0	26438.0	26438.0
2.5°	26262.8	26244.6	26255.0	26268.0	26273.2
5°	25581.3	25556.7	25551.5	25604.7	25582.6
7.5°	24206.7	24171.7	24118.5	24239.2	24352.1
10°	21904.1	21865.1	21749.6	21806.7	21898.9
12.5°	18504.5	18378.6	18376.0	18557.8	18533.1
15°	14017.3	13848.6	13942.0	13896.6	13871.9
17.5°	9426.2	9361.3	9485.9	9448.3	9286.0
20°	6780.8	6797.7	7035.3	6915.8	6771.8
22.5°	4948.0	5009.1	5290.7	4983.1	4870.2
25°	3294.4	3419.0	3714.9	3332.0	3226.9
27.5°	2026.2	2083.3	2383.2	2000.2	1943.1
30°	1260.4	1231.8	1373.3	1178.6	1098.1
32.5°	826.8	790.5	835.9	750.3	685.4
35°	553.0	564.6	529.6	525.7	443.9
37.5°	345.3	397.2	350.5	373.8	285.6
40°	223.3	288.2	247.9	273.9	210.3
42.5°	183.0	222.0	203.8	216.8	186.9
45°	145.4	180.4	180.4	180.4	146.7
47.5°	80.5	120.7	154.5	123.3	85.7
50°	45.4	61.0	119.4	63.6	48.0
52.5°	31.2	35.0	81.8	36.3	32.5
55°	23.4	24.7	44.1	26.0	24.7
57.5°	18.2	19.5	23.4	19.5	18.2
60°	14.3	14.3	16.9	15.6	14.3
62.5°	10.4	10.4	11.7	10.4	10.4
65°	7.8	7.8	7.8	7.8	7.8
67.5°	3.9	5.2	5.2	5.2	5.2
70°	3.9	2.6	2.6	2.6	3.9
72.5°	2.6	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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