

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: P768001

Luminaire Tested: LD6D55D010-EU6DR3055659050-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768001
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: LD6D55D010-EU6DR3055659050-6LBS1B
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: 6685.1 lumens
Efficiency: N/A
Efficacy: 114.9 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

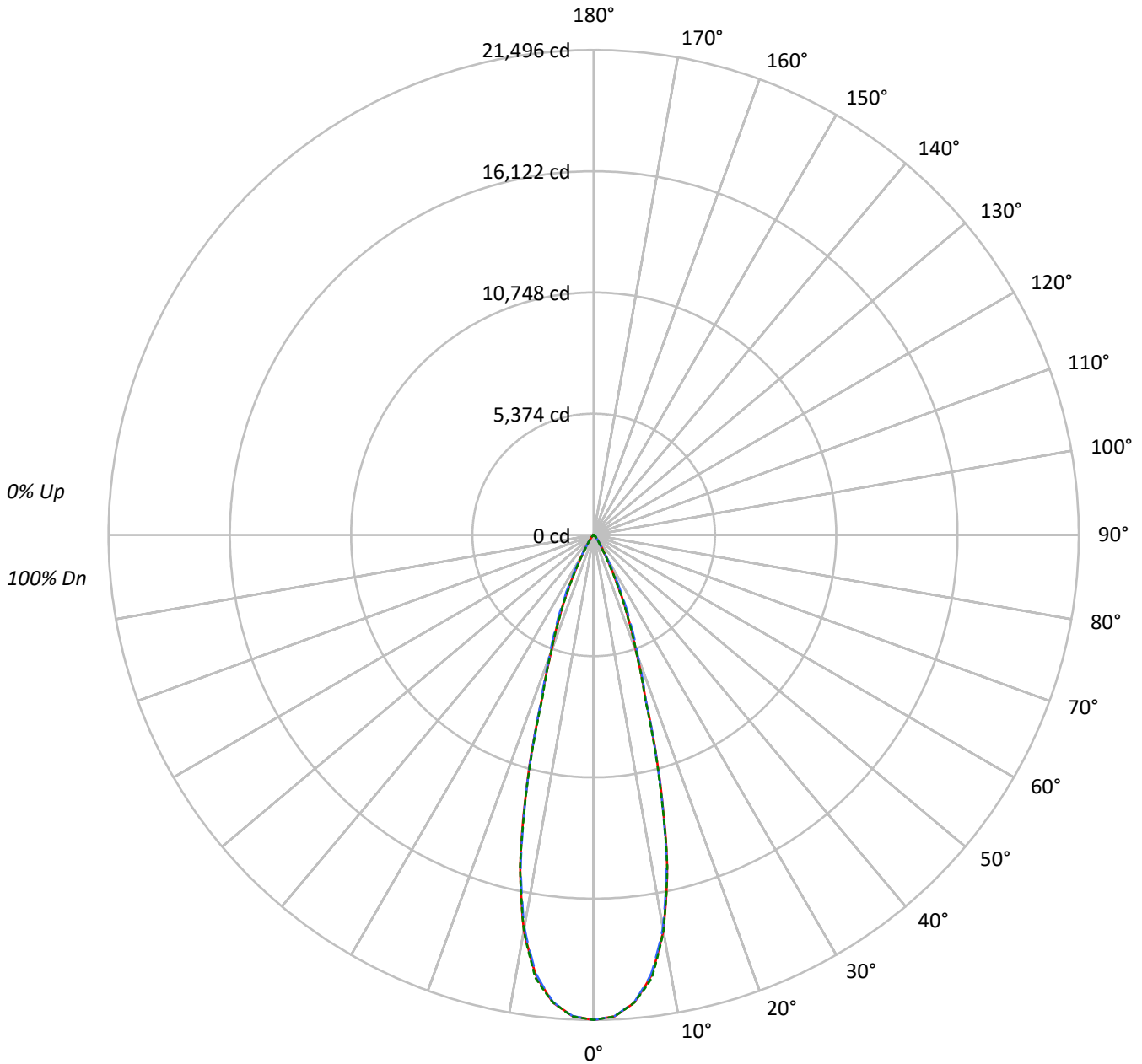
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1645377	1645377	1645377
5°	1598138	1596271	1598223
10°	1384229	1374467	1383903
15°	903139	898289	893772
20°	449090	465943	448487
25°	226225	255100	221588
30°	90577	98690	78919
35°	42012	40236	33723
40°	18136	20144	17086
45°	12795	15880	12914
50°	4394	11563	4644
55°	2536	4791	2682
60°	1776	2097	1776
65°	1141	1141	1141
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: 15880 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1890.2	28.3
10°-20°	3044.3	45.5
20°-30°	1315.5	19.7
30°-40°	299.8	4.5
40°-50°	103.0	1.5
50°-60°	25.2	0.4
60°-70°	6.5	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°	6250.0	93.5
0°-40°	6549.8	98.0
0°-60°	6677.9	99.9
0°-90°	6685.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6685.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21496	21496	21496	21496	21496	
5°	20799	20779	20775	20818	20800	1892
15°	11397	11260	11336	11299	11279	3052
25°	2679	2780	3020	2709	2624	1282
35°	450	459	431	427	361	305
45°	118	147	147	147	119	84
55°	19	20	36	21	20	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°	21496.0	21496.0	21496.0	21496.0	21496.0
2.5°	21353.5	21338.7	21347.2	21357.7	21361.9
5°	20799.4	20779.4	20775.1	20818.4	20800.5
7.5°	19681.8	19653.3	19610.0	19708.2	19800.0
10°	17809.5	17777.9	17683.9	17730.4	17805.3
12.5°	15045.5	14943.1	14941.0	15088.8	15068.7
15°	11397.0	11259.8	11335.8	11298.9	11278.8
17.5°	7664.2	7611.4	7712.7	7682.1	7550.2
20°	5513.3	5527.0	5720.2	5623.1	5505.9
22.5°	4023.1	4072.7	4301.7	4051.6	3959.8
25°	2678.6	2779.9	3020.5	2709.2	2623.7
27.5°	1647.4	1693.9	1937.7	1626.3	1579.9
30°	1024.8	1001.6	1116.6	958.3	892.9
32.5°	672.3	642.7	679.7	610.0	557.2
35°	449.6	459.1	430.6	427.4	360.9
37.5°	280.7	322.9	285.0	303.9	232.2
40°	181.5	234.3	201.6	222.7	171.0
42.5°	148.8	180.5	165.7	176.2	152.0
45°	118.2	146.7	146.7	146.7	119.3
47.5°	65.4	98.2	125.6	100.3	69.7
50°	36.9	49.6	97.1	51.7	39.0
52.5°	25.3	28.5	66.5	29.6	26.4
55°	19.0	20.1	35.9	21.1	20.1
57.5°	14.8	15.8	19.0	15.8	14.8
60°	11.6	11.6	13.7	12.7	11.6
62.5°	8.4	8.4	9.5	8.4	8.4
65°	6.3	6.3	6.3	6.3	6.3
67.5°	3.2	4.2	4.2	4.2	4.2
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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