

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: P767936

Luminaire Tested: LD6D55D010-EU6DR3055659024-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P767936
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-EU6DR3055659024-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5377.1 lumens
Efficiency: N/A
Efficacy: 92.4 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

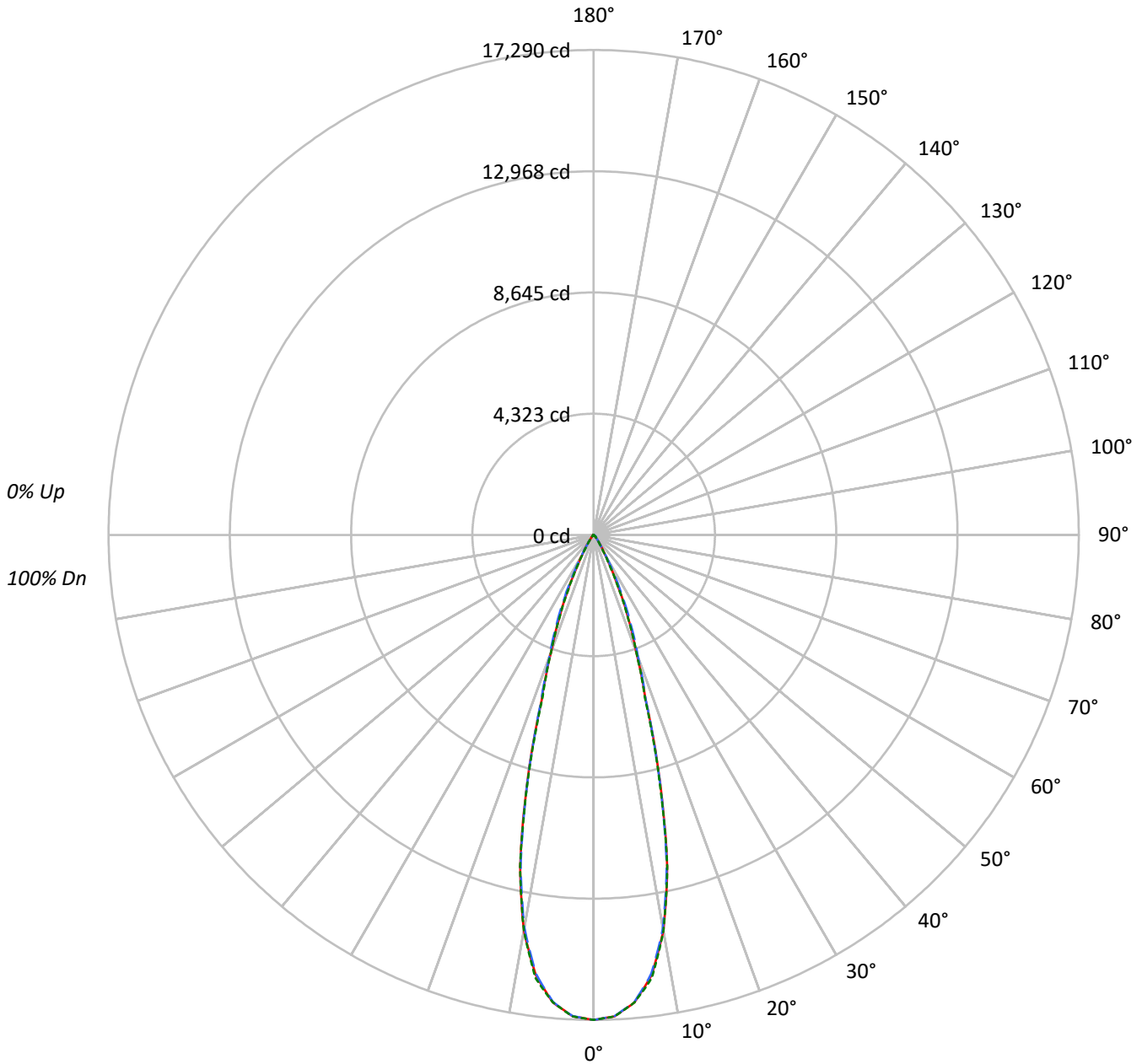
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1323435	1323435	1323435
5°	1285447	1283949	1285509
10°	1113391	1105541	1113127
15°	726434	722527	718898
20°	361224	374770	360735
25°	181961	205187	178228
30°	72856	79378	63478
35°	33789	32359	27126
40°	14588	16197	13739
45°	10294	12773	10381
50°	3537	9300	3739
55°	2042	3857	2149
60°	1424	1684	1424
65°	924	924	924
70°	559	380	559
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 12773 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1520.4	28.3
10°-20°	2448.6	45.5
20°-30°	1058.1	19.7
30°-40°	241.2	4.5
40°-50°	82.8	1.5
50°-60°	20.2	0.4
60°-70°	5.2	0.1
70°-80°	0.5	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°	5027.1	93.5
0°-40°	5268.3	98.0
0°-60°	5371.3	99.9
0°-90°	5377.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5377.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17290	17290	17290	17290	17290	
5°	16730	16714	16710	16745	16731	1522
15°	9167	9057	9118	9088	9072	2455
25°	2154	2236	2430	2179	2110	1031
35°	362	369	346	344	290	245
45°	95	118	118	118	96	67
55°	15	16	29	17	16	15
65°	5	5	5	5	5	5
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°	17290.0	17290.0	17290.0	17290.0	17290.0
2.5°	17175.4	17163.6	17170.4	17178.8	17182.2
5°	16729.8	16713.7	16710.3	16745.1	16730.6
7.5°	15830.8	15807.9	15773.1	15852.0	15925.9
10°	14324.9	14299.4	14223.9	14261.2	14321.5
12.5°	12101.7	12019.3	12017.6	12136.5	12120.3
15°	9167.1	9056.7	9117.8	9088.1	9072.0
17.5°	6164.6	6122.1	6203.6	6179.0	6072.9
20°	4434.6	4445.6	4600.9	4522.8	4428.6
22.5°	3235.9	3275.8	3460.0	3258.9	3185.0
25°	2154.5	2236.0	2429.5	2179.1	2110.3
27.5°	1325.1	1362.5	1558.5	1308.1	1270.8
30°	824.3	805.6	898.1	770.8	718.2
32.5°	540.7	517.0	546.7	490.7	448.2
35°	361.6	369.3	346.3	343.8	290.3
37.5°	225.8	259.8	229.2	244.5	186.8
40°	146.0	188.5	162.1	179.1	137.5
42.5°	119.7	145.2	133.3	141.8	122.2
45°	95.1	118.0	118.0	118.0	95.9
47.5°	52.6	78.9	101.0	80.6	56.0
50°	29.7	39.9	78.1	41.6	31.4
52.5°	20.4	22.9	53.5	23.8	21.2
55°	15.3	16.1	28.9	17.0	16.1
57.5°	11.9	12.7	15.3	12.7	11.9
60°	9.3	9.3	11.0	10.2	9.3
62.5°	6.8	6.8	7.6	6.8	6.8
65°	5.1	5.1	5.1	5.1	5.1
67.5°	2.5	3.4	3.4	3.4	3.4
70°	2.5	1.7	1.7	1.7	2.5
72.5°	1.7	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.8	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

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

Scaled Data Report



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Scaled Data Report





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

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