

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: P767975

Luminaire Tested: LD6D55D010-EU6DR3055659035-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P767975
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-EU6DR3055659035-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6341.2 lumens
Efficiency: N/A
Efficacy: 109.0 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

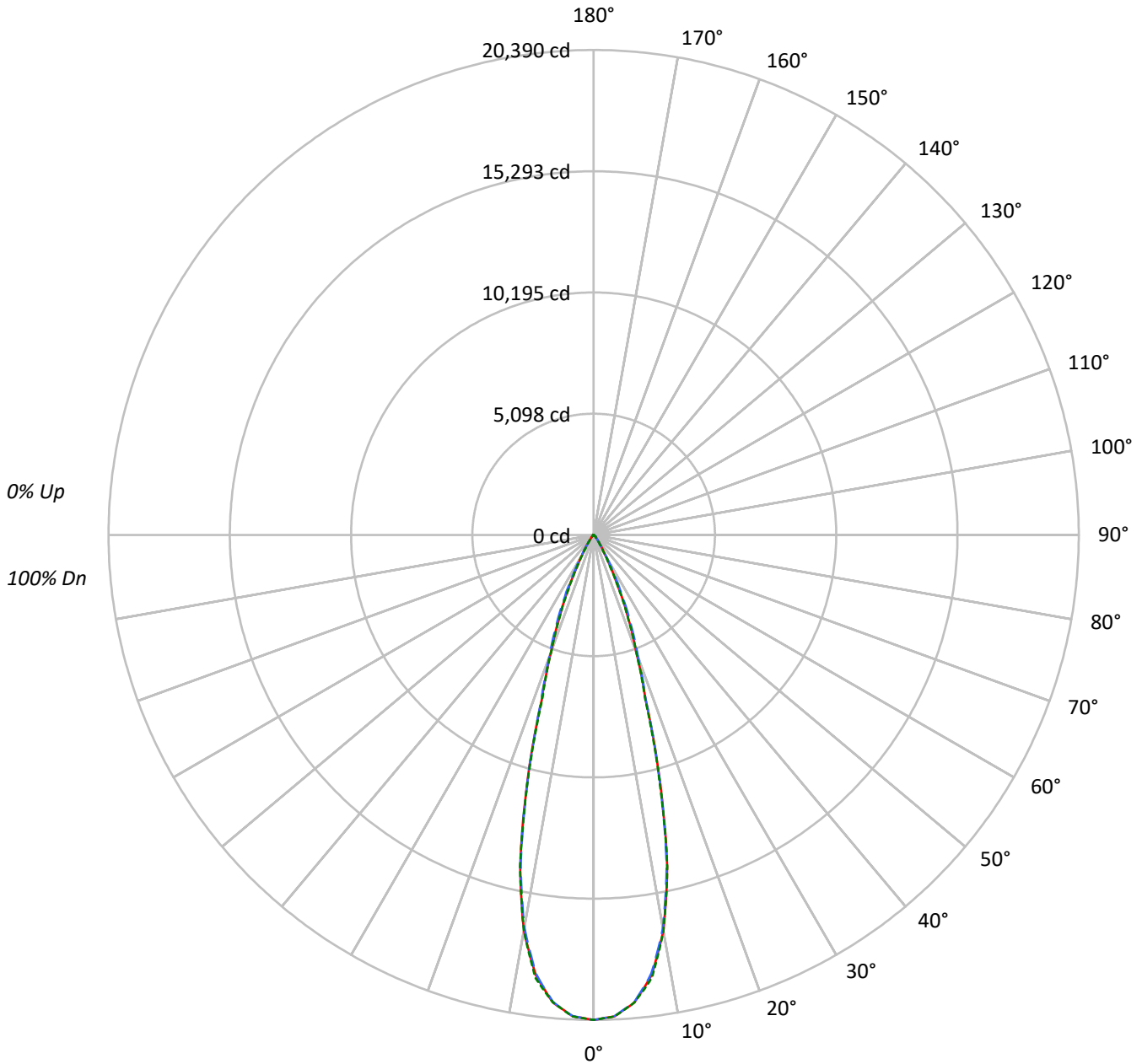
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1560735	1560735	1560735
5°	1515932	1514164	1516008
10°	1313026	1303769	1312715
15°	856686	852082	847803
20°	425989	441971	425419
25°	214587	241976	210186
30°	85919	93617	74853
35°	39853	38162	31995
40°	17206	19105	16207
45°	12135	15068	12243
50°	4168	10967	4406
55°	2402	4537	2536
60°	1684	1990	1684
65°	1087	1087	1087
70°	671	448	671
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 15068 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1793.0	28.3
10°-20°	2887.7	45.5
20°-30°	1247.8	19.7
30°-40°	284.4	4.5
40°-50°	97.7	1.5
50°-60°	23.8	0.4
60°-70°	6.2	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°	5928.5	93.5
0°-40°	6212.9	98.0
0°-60°	6334.4	99.9
0°-90°	6341.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6341.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20390	20390	20390	20390	20390	
5°	19730	19710	19706	19748	19730	1794
15°	10811	10681	10753	10718	10699	2895
25°	2541	2637	2865	2570	2489	1216
35°	426	436	408	405	342	289
45°	112	139	139	139	113	80
55°	18	19	34	20	19	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°	20390.2	20390.2	20390.2	20390.2	20390.2
2.5°	20255.1	20241.1	20249.1	20259.1	20263.1
5°	19729.5	19710.5	19706.5	19747.5	19730.5
7.5°	18669.4	18642.3	18601.3	18694.4	18781.5
10°	16893.4	16863.4	16774.3	16818.3	16889.4
12.5°	14271.6	14174.5	14172.5	14312.6	14293.6
15°	10810.8	10680.6	10752.7	10717.7	10698.7
17.5°	7269.9	7219.9	7316.0	7286.9	7161.8
20°	5229.7	5242.7	5425.9	5333.8	5222.7
22.5°	3816.2	3863.2	4080.4	3843.2	3756.1
25°	2540.8	2636.9	2865.1	2569.8	2488.7
27.5°	1562.7	1606.8	1838.0	1542.7	1498.6
30°	972.1	950.0	1059.2	909.0	846.9
32.5°	637.7	609.7	644.7	578.6	528.6
35°	426.5	435.5	408.4	405.4	342.4
37.5°	266.3	306.3	270.3	288.3	220.2
40°	172.2	222.2	191.2	211.2	162.2
42.5°	141.2	171.2	157.2	167.2	144.2
45°	112.1	139.2	139.2	139.2	113.1
47.5°	62.1	93.1	119.1	95.1	66.1
50°	35.0	47.1	92.1	49.1	37.0
52.5°	24.0	27.0	63.1	28.0	25.0
55°	18.0	19.0	34.0	20.0	19.0
57.5°	14.0	15.0	18.0	15.0	14.0
60°	11.0	11.0	13.0	12.0	11.0
62.5°	8.0	8.0	9.0	8.0	8.0
65°	6.0	6.0	6.0	6.0	6.0
67.5°	3.0	4.0	4.0	4.0	4.0
70°	3.0	2.0	2.0	2.0	3.0
72.5°	2.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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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