

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: P793765

Luminaire Tested: LER6D55D010-EC6DR3055659040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793765
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: LER6D55D010-EC6DR3055659040-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7433.6 lumens
Efficiency: N/A
Efficacy: 127.7 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

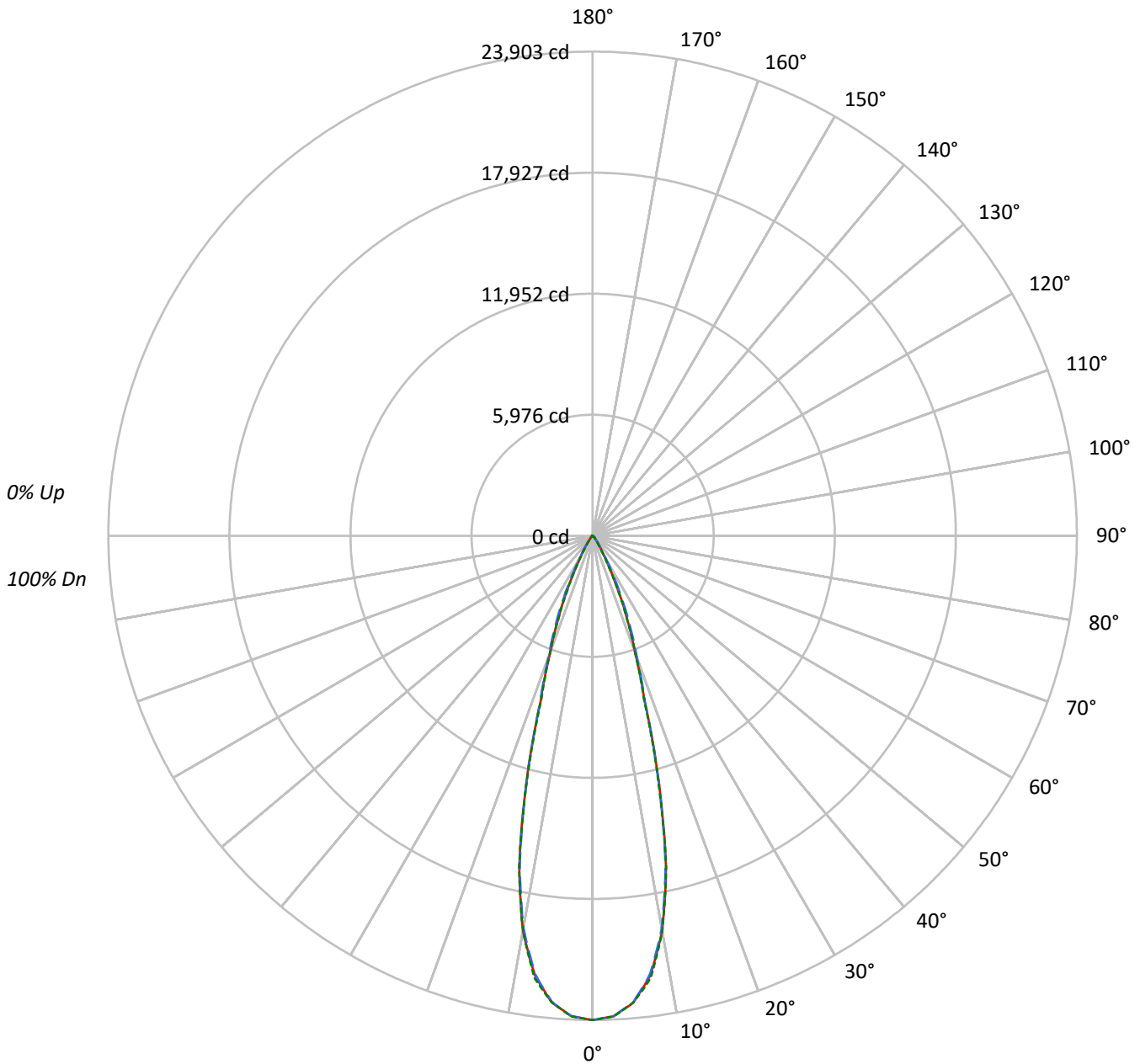
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1829594	1829594	1829594
5°	1777073	1774999	1777165
10°	1539211	1528361	1538846
15°	1004261	998865	993849
20°	499373	518108	498705
25°	251553	283663	246393
30°	100714	109738	87748
35°	46712	44740	37508
40°	20164	22392	18995
45°	14224	17655	14354
50°	4894	12861	5168
55°	2816	5325	2976
60°	1975	2342	1975
65°	1268	1268	1268
70°	783	515	783
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 17655 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2101.9	28.3
10°-20°	3385.1	45.5
20°-30°	1462.8	19.7
30°-40°	333.4	4.5
40°-50°	114.5	1.5
50°-60°	28.0	0.4
60°-70°	7.2	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°	6949.8	93.5
0°-40°	7283.2	98.0
0°-60°	7425.6	99.9
0°-90°	7433.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7433.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23903	23903	23903	23903	23903	
5°	23128	23106	23101	23149	23129	2104
15°	12673	12520	12605	12564	12542	3393
25°	2978	3091	3359	3012	2917	1426
35°	500	510	479	475	401	339
45°	131	163	163	163	133	93
55°	21	22	40	24	22	21
65°	7	7	7	7	7	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°	23902.7	23902.7	23902.7	23902.7	23902.7
2.5°	23744.3	23727.9	23737.3	23749.0	23753.7
5°	23128.2	23105.9	23101.2	23149.3	23129.4
7.5°	21885.4	21853.7	21805.6	21914.7	22016.8
10°	19803.5	19768.3	19663.9	19715.5	19798.8
12.5°	16730.0	16616.2	16613.9	16778.1	16755.9
15°	12673.1	12520.5	12605.0	12564.0	12541.7
17.5°	8522.3	8463.6	8576.3	8542.2	8395.5
20°	6130.6	6145.8	6360.6	6252.6	6122.4
22.5°	4473.5	4528.7	4783.4	4505.2	4403.1
25°	2978.5	3091.1	3358.7	3012.5	2917.4
27.5°	1831.9	1883.5	2154.6	1808.4	1756.8
30°	1139.5	1113.7	1241.6	1065.6	992.8
32.5°	747.5	714.7	755.8	678.3	619.6
35°	499.9	510.5	478.8	475.3	401.4
37.5°	312.2	359.1	316.9	338.0	258.2
40°	201.8	260.5	224.1	247.6	190.1
42.5°	165.5	200.7	184.2	196.0	169.0
45°	131.4	163.1	163.1	163.1	132.6
47.5°	72.8	109.1	139.7	111.5	77.5
50°	41.1	55.2	108.0	57.5	43.4
52.5°	28.2	31.7	73.9	32.9	29.3
55°	21.1	22.3	39.9	23.5	22.3
57.5°	16.4	17.6	21.1	17.6	16.4
60°	12.9	12.9	15.3	14.1	12.9
62.5°	9.4	9.4	10.6	9.4	9.4
65°	7.0	7.0	7.0	7.0	7.0
67.5°	3.5	4.7	4.7	4.7	4.7
70°	3.5	2.3	2.3	2.3	3.5
72.5°	2.3	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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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