

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: P793260

Luminaire Tested: LER6D50D010-EC6DR3040509027-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793260
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: LER6D50D010-EC6DR3040509027-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5746.2 lumens
Efficiency: N/A
Efficacy: 122.3 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

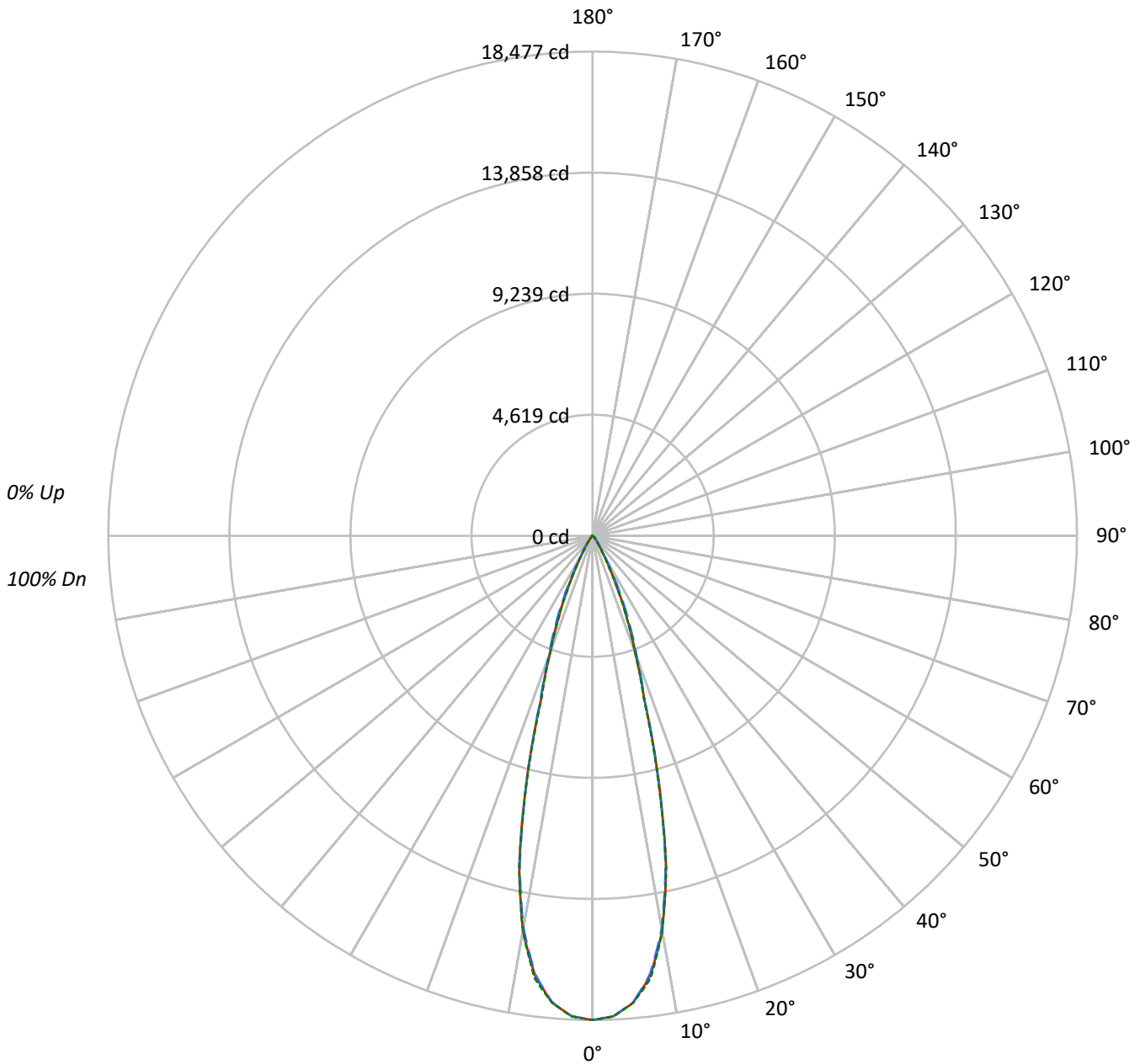
Input Watts (W): 47
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1414269	1414269	1414269
5°	1373670	1372064	1373739
10°	1189810	1181416	1189522
15°	776294	772117	768242
20°	386011	400494	385498
25°	194444	219265	190466
30°	77849	84832	67826
35°	36106	34583	28986
40°	15588	17316	14688
45°	10998	13650	11095
50°	3787	9943	4001
55°	2175	4110	2295
60°	1531	1806	1531
65°	978	978	978
70°	604	403	604
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 13650 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1624.7	28.3
10°-20°	2616.7	45.5
20°-30°	1130.7	19.7
30°-40°	257.7	4.5
40°-50°	88.5	1.5
50°-60°	21.6	0.4
60°-70°	5.6	0.1
70°-80°	0.6	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°	5372.2	93.5
0°-40°	5629.9	98.0
0°-60°	5740.0	99.9
0°-90°	5746.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5746.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18477	18477	18477	18477	18477	
5°	17878	17861	17857	17894	17879	1626
15°	9796	9678	9744	9712	9695	2623
25°	2302	2389	2596	2329	2255	1102
35°	386	395	370	367	310	262
45°	102	126	126	126	102	72
55°	16	17	31	18	17	16
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°	18476.7	18476.7	18476.7	18476.7	18476.7
2.5°	18354.3	18341.6	18348.8	18357.9	18361.5
5°	17878.0	17860.8	17857.1	17894.3	17878.9
7.5°	16917.3	16892.9	16855.7	16940.0	17018.9
10°	15308.1	15280.9	15200.1	15240.0	15304.4
12.5°	12932.3	12844.3	12842.4	12969.5	12952.2
15°	9796.3	9678.3	9743.6	9711.9	9694.7
17.5°	6587.7	6542.3	6629.4	6603.1	6489.7
20°	4738.9	4750.7	4916.7	4833.3	4732.6
22.5°	3458.0	3500.7	3697.5	3482.5	3403.6
25°	2302.3	2389.4	2596.2	2328.6	2255.2
27.5°	1416.1	1456.0	1665.5	1397.9	1358.0
30°	880.8	860.9	959.8	823.7	767.4
32.5°	577.9	552.5	584.2	524.3	479.0
35°	386.4	394.6	370.1	367.4	310.2
37.5°	241.3	277.6	244.9	261.3	199.6
40°	156.0	201.4	173.3	191.4	147.0
42.5°	127.9	155.1	142.4	151.5	130.6
45°	101.6	126.1	126.1	126.1	102.5
47.5°	56.2	84.4	108.0	86.2	59.9
50°	31.8	42.6	83.5	44.5	33.6
52.5°	21.8	24.5	57.2	25.4	22.7
55°	16.3	17.2	30.8	18.1	17.2
57.5°	12.7	13.6	16.3	13.6	12.7
60°	10.0	10.0	11.8	10.9	10.0
62.5°	7.3	7.3	8.2	7.3	7.3
65°	5.4	5.4	5.4	5.4	5.4
67.5°	2.7	3.6	3.6	3.6	3.6
70°	2.7	1.8	1.8	1.8	2.7
72.5°	1.8	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	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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