

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: P791348

Luminaire Tested: LER6D30D010-EC6DR3020359030-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791348
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: LER6D30D010-EC6DR3020359030-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5717.8 lumens
Efficiency: N/A
Efficacy: 197.2 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

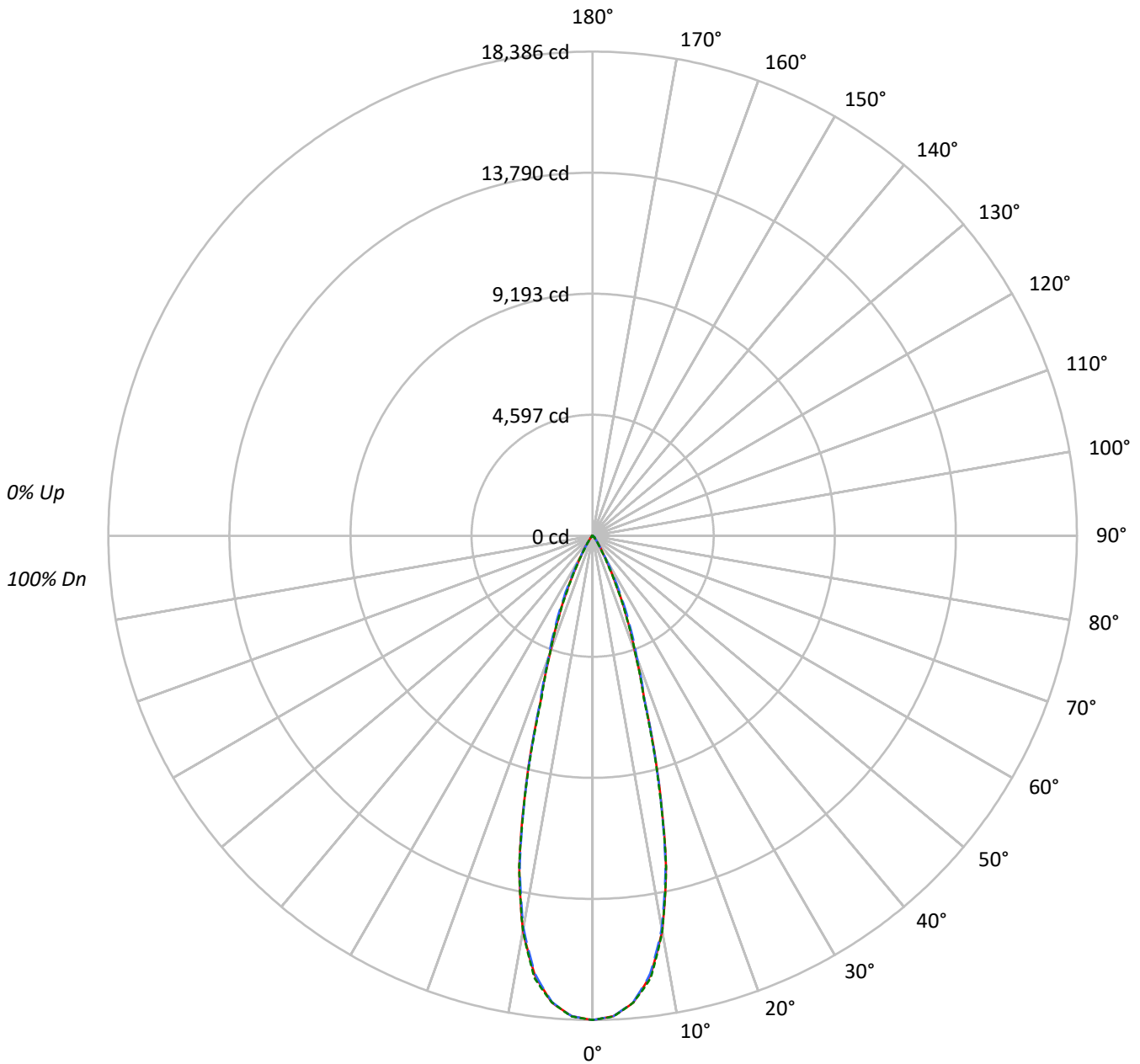
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1407296	1407296	1407296
5°	1366893	1365303	1366962
10°	1183942	1175586	1183662
15°	772458	768314	764447
20°	384113	398522	383592
25°	193489	218184	189520
30°	77469	84407	67499
35°	35929	34415	28846
40°	15518	17226	14608
45°	10944	13585	11041
50°	3763	9884	3977
55°	2162	4097	2295
60°	1516	1791	1516
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: 13585 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1616.7	28.3
10°-20°	2603.8	45.5
20°-30°	1125.2	19.7
30°-40°	256.4	4.5
40°-50°	88.1	1.5
50°-60°	21.5	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°	5345.7	93.5
0°-40°	5602.1	98.0
0°-60°	5711.7	99.9
0°-90°	5717.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5717.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18386	18386	18386	18386	18386	
5°	17790	17773	17769	17806	17791	1618
15°	9748	9631	9696	9664	9647	2610
25°	2291	2378	2583	2317	2244	1097
35°	384	393	368	366	309	261
45°	101	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°	18385.6	18385.6	18385.6	18385.6	18385.6
2.5°	18263.7	18251.1	18258.3	18267.3	18271.0
5°	17789.8	17772.7	17769.1	17806.1	17790.7
7.5°	16833.9	16809.5	16772.5	16856.5	16935.0
10°	15232.6	15205.5	15125.1	15164.9	15229.0
12.5°	12868.5	12780.9	12779.1	12905.5	12888.3
15°	9747.9	9630.6	9695.6	9664.0	9646.8
17.5°	6555.2	6510.1	6596.7	6570.5	6457.7
20°	4715.6	4727.3	4892.5	4809.4	4709.2
22.5°	3441.0	3483.4	3679.3	3465.4	3386.8
25°	2291.0	2377.6	2583.4	2317.2	2244.0
27.5°	1409.1	1448.8	1657.3	1391.0	1351.3
30°	876.5	856.6	955.0	819.6	763.7
32.5°	575.0	549.7	581.3	521.7	476.6
35°	384.5	392.7	368.3	365.6	308.7
37.5°	240.1	276.2	243.7	260.0	198.6
40°	155.3	200.4	172.4	190.5	146.2
42.5°	127.3	154.4	141.7	150.7	130.0
45°	101.1	125.5	125.5	125.5	102.0
47.5°	56.0	83.9	107.4	85.8	59.6
50°	31.6	42.4	83.0	44.2	33.4
52.5°	21.7	24.4	56.9	25.3	22.6
55°	16.2	17.2	30.7	18.1	17.2
57.5°	12.6	13.5	16.2	13.5	12.6
60°	9.9	9.9	11.7	10.8	9.9
62.5°	7.2	7.2	8.1	7.2	7.2
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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