

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: P794225

Luminaire Tested: LER6D60D010-EC6DR3055659030-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794225
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: LER6D60D010-EC6DR3055659030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 7341.5 lumens
Efficiency: N/A
Efficacy: 114.0 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

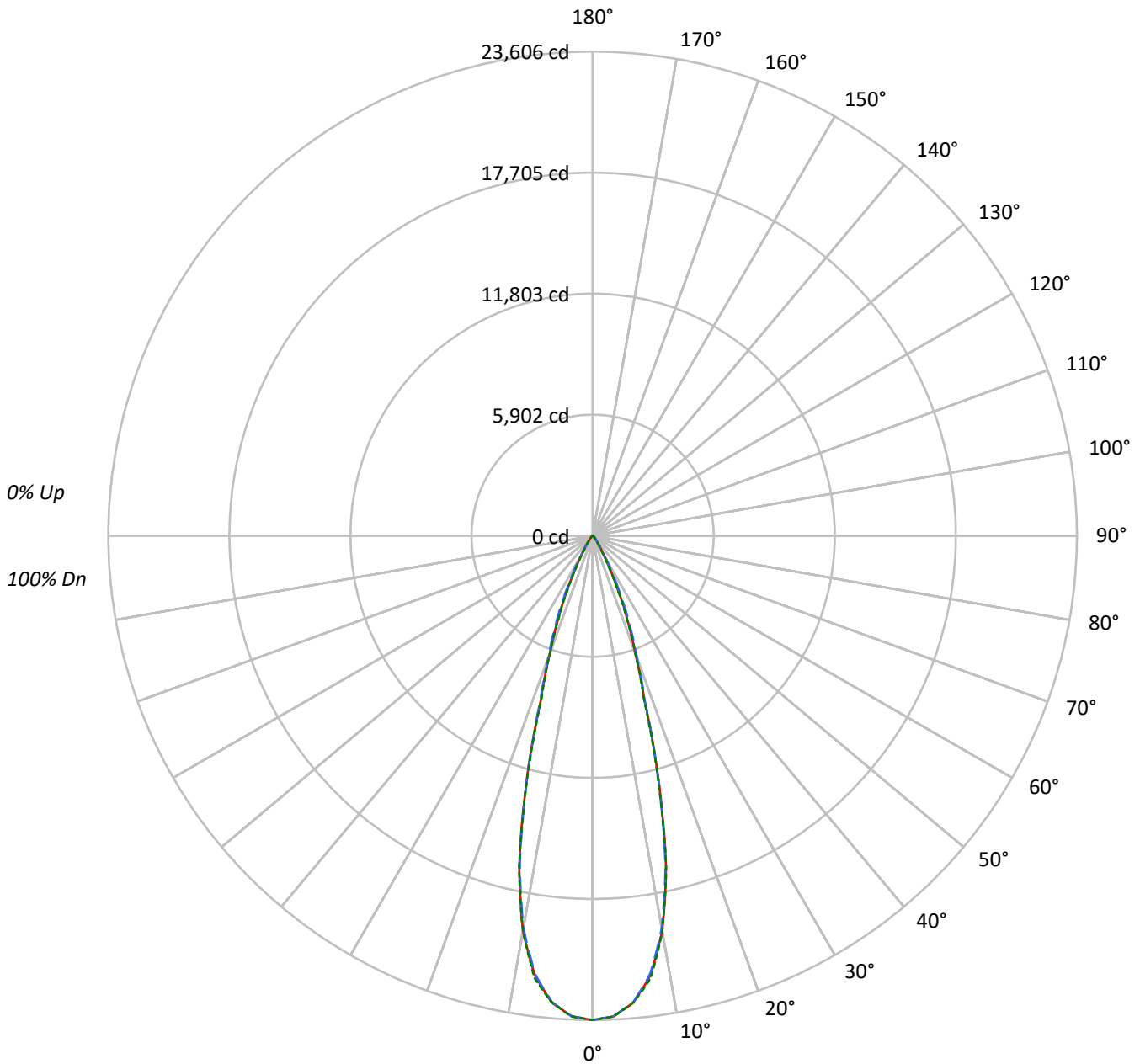
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1806906	1806906	1806906
5°	1755037	1752985	1755121
10°	1520122	1509404	1519765
15°	991804	986479	981519
20°	493182	511681	492514
25°	248428	280142	243335
30°	99468	108377	86661
35°	46132	44189	37041
40°	19914	22122	18765
45°	14051	17439	14181
50°	4835	12694	5109
55°	2789	5258	2936
60°	1944	2312	1944
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: 17439 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2075.8	28.3
10°-20°	3343.1	45.5
20°-30°	1444.6	19.7
30°-40°	329.3	4.5
40°-50°	113.1	1.5
50°-60°	27.6	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°	6863.6	93.5
0°-40°	7192.9	98.0
0°-60°	7333.5	99.9
0°-90°	7341.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7341.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23606	23606	23606	23606	23606	
5°	22841	22819	22815	22862	22842	2078
15°	12516	12365	12449	12408	12386	3351
25°	2942	3053	3317	2975	2881	1408
35°	494	504	473	469	396	335
45°	130	161	161	161	131	92
55°	21	22	39	23	22	20
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°	23606.3	23606.3	23606.3	23606.3	23606.3
2.5°	23449.8	23433.6	23442.9	23454.5	23459.1
5°	22841.4	22819.3	22814.7	22862.2	22842.5
7.5°	21614.0	21582.7	21535.2	21643.0	21743.8
10°	19557.9	19523.2	19420.0	19471.0	19553.3
12.5°	16522.6	16410.1	16407.8	16570.1	16548.0
15°	12515.9	12365.3	12448.7	12408.1	12386.1
17.5°	8416.6	8358.6	8469.9	8436.3	8291.4
20°	6054.6	6069.6	6281.7	6175.1	6046.4
22.5°	4418.1	4472.5	4724.0	4449.4	4348.5
25°	2941.5	3052.8	3317.0	2975.1	2881.2
27.5°	1809.2	1860.2	2127.9	1786.0	1735.0
30°	1125.4	1099.9	1226.2	1052.4	980.5
32.5°	738.3	705.8	746.4	669.9	611.9
35°	493.7	504.2	472.9	469.4	396.4
37.5°	308.3	354.7	312.9	333.8	255.0
40°	199.3	257.3	221.4	244.5	187.8
42.5°	163.4	198.2	182.0	193.6	166.9
45°	129.8	161.1	161.1	161.1	131.0
47.5°	71.9	107.8	137.9	110.1	76.5
50°	40.6	54.5	106.6	56.8	42.9
52.5°	27.8	31.3	73.0	32.5	29.0
55°	20.9	22.0	39.4	23.2	22.0
57.5°	16.2	17.4	20.9	17.4	16.2
60°	12.7	12.7	15.1	13.9	12.7
62.5°	9.3	9.3	10.4	9.3	9.3
65°	7.0	7.0	7.0	7.0	7.0
67.5°	3.5	4.6	4.6	4.6	4.6
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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