

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: P794244

Luminaire Tested: LER6D60D010-EC6DR3055659040-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794244
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-EC6DR3055659040-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-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: 7785.1 lumens
Efficiency: N/A
Efficacy: 120.9 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

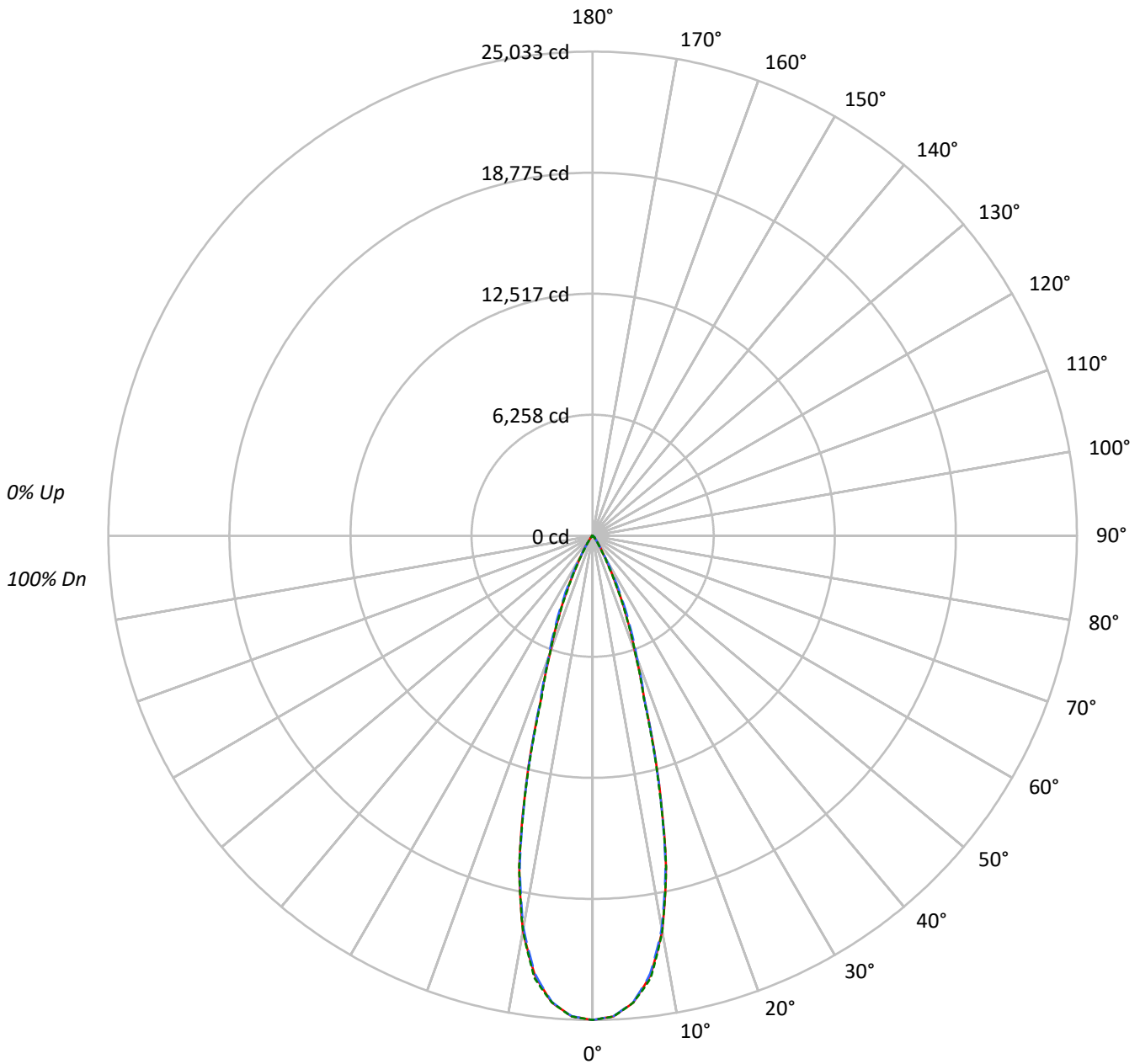


Downlight

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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	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°	1916096	1916096	1916096
5°	1861086	1858919	1861185
10°	1611984	1600621	1611604
15°	1051736	1046094	1040832
20°	522979	542601	522278
25°	263445	297075	258048
30°	105478	114927	91902
35°	48926	46852	39274
40°	21123	23451	19894
45°	14906	18489	15036
50°	5120	13468	5418
55°	2949	5578	3123
60°	2067	2449	2067
65°	1340	1340	1340
70°	828	559	828
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 18489 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2201.3	28.3
10°-20°	3545.1	45.5
20°-30°	1532.0	19.7
30°-40°	349.2	4.5
40°-50°	119.9	1.5
50°-60°	29.3	0.4
60°-70°	7.6	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°	7278.3	93.5
0°-40°	7627.5	98.0
0°-60°	7776.7	99.9
0°-90°	7785.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7785.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	25033	25033	25033	25033	25033	
5°	24222	24198	24193	24244	24223	2203
15°	13272	13112	13201	13158	13135	3554
25°	3119	3237	3518	3155	3055	1493
35°	524	535	501	498	420	355
45°	138	171	171	171	139	98
55°	22	23	42	25	23	22
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°	25032.8	25032.8	25032.8	25032.8	25032.8
2.5°	24866.9	24849.7	24859.5	24871.8	24876.7
5°	24221.6	24198.3	24193.4	24243.8	24222.9
7.5°	22920.1	22886.9	22836.5	22950.8	23057.8
10°	20739.8	20702.9	20593.6	20647.6	20734.9
12.5°	17521.0	17401.8	17399.3	17571.4	17548.0
15°	13272.2	13112.5	13201.0	13157.9	13134.6
17.5°	8925.2	8863.7	8981.7	8946.1	8792.5
20°	6420.4	6436.4	6661.3	6548.2	6411.8
22.5°	4685.0	4742.8	5009.5	4718.2	4611.3
25°	3119.3	3237.3	3517.5	3154.9	3055.4
27.5°	1918.5	1972.6	2256.5	1893.9	1839.9
30°	1193.4	1166.3	1300.3	1116.0	1039.8
32.5°	782.9	748.5	791.5	710.4	648.9
35°	523.6	534.6	501.4	497.8	420.3
37.5°	326.9	376.1	331.8	354.0	270.4
40°	211.4	272.8	234.7	259.3	199.1
42.5°	173.3	210.2	193.0	205.2	177.0
45°	137.7	170.8	170.8	170.8	138.9
47.5°	76.2	114.3	146.3	116.8	81.1
50°	43.0	57.8	113.1	60.2	45.5
52.5°	29.5	33.2	77.4	34.4	30.7
55°	22.1	23.4	41.8	24.6	23.4
57.5°	17.2	18.4	22.1	18.4	17.2
60°	13.5	13.5	16.0	14.7	13.5
62.5°	9.8	9.8	11.1	9.8	9.8
65°	7.4	7.4	7.4	7.4	7.4
67.5°	3.7	4.9	4.9	4.9	4.9
70°	3.7	2.5	2.5	2.5	3.7
72.5°	2.5	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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