

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: P794709

Luminaire Tested: LER6D65D010-EC6DR3055659030-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794709
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: LER6D65D010-EC6DR3055659030-6LBS1LI
Description: 6 INCH ROUND SHALLOW 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: 8546.8 lumens
Efficiency: N/A
Efficacy: 117.4 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): 72.8
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

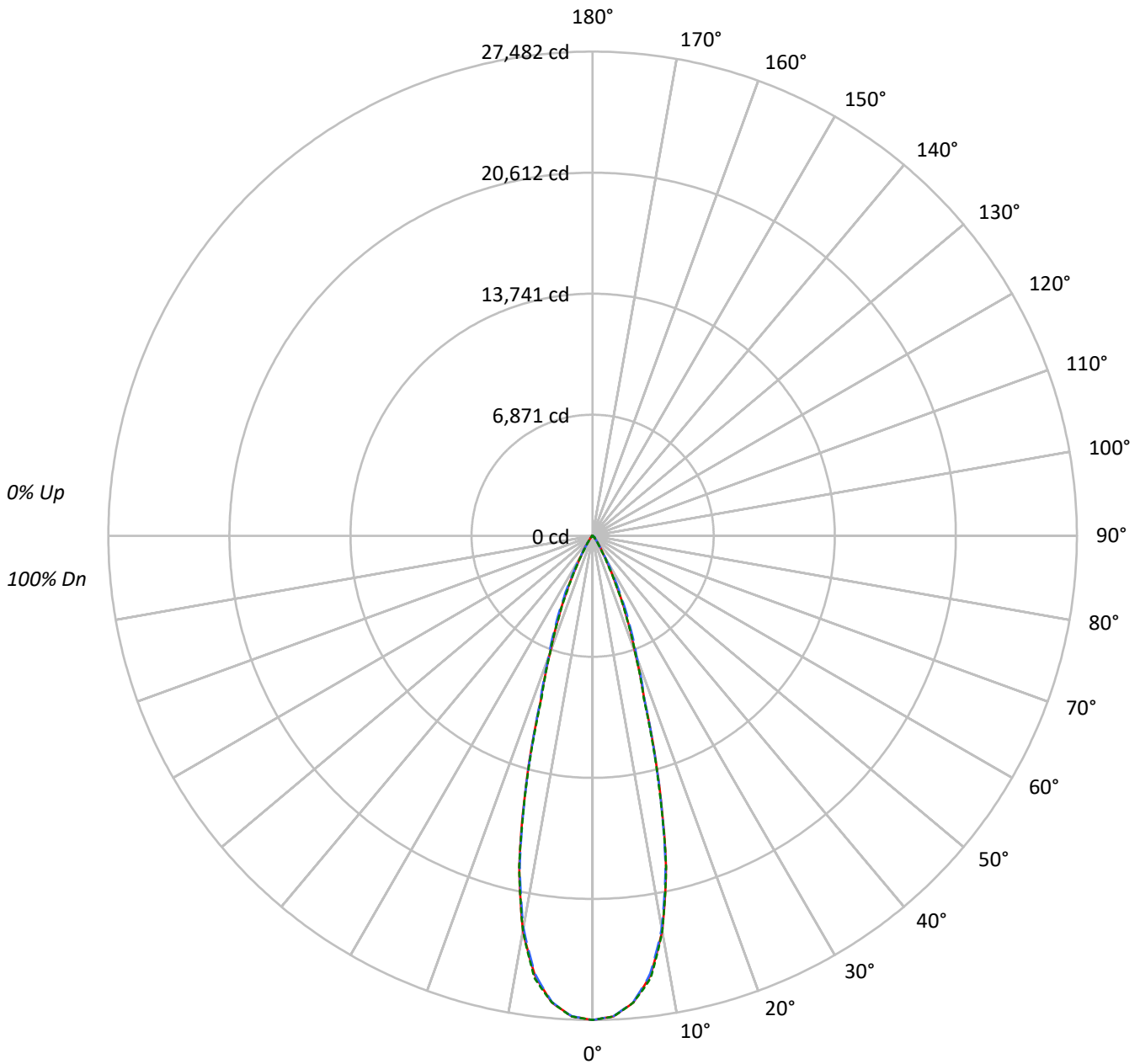


Downlight

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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°	2103589	2103589	2103589
5°	2043194	2040812	2043302
10°	1769718	1757235	1769298
15°	1154650	1148453	1142676
20°	574157	595694	573384
25°	289221	326145	283292
30°	115802	126169	100891
35°	53711	51440	43124
40°	23192	25749	21843
45°	16356	20307	16508
50°	5621	14778	5942
55°	3243	6125	3416
60°	2266	2679	2266
65°	1467	1467	1467
70°	895	604	895
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 20307 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2416.6	28.3
10°-20°	3892.0	45.5
20°-30°	1681.9	19.7
30°-40°	383.3	4.5
40°-50°	131.6	1.5
50°-60°	32.1	0.4
60°-70°	8.3	0.1
70°-80°	0.9	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°	7990.5	93.5
0°-40°	8373.9	98.0
0°-60°	8537.6	99.9
0°-90°	8546.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8546.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	27482	27482	27482	27482	27482	
5°	26592	26566	26561	26616	26593	2419
15°	14571	14396	14493	14446	14420	3902
25°	3424	3554	3862	3464	3354	1639
35°	575	587	550	546	462	390
45°	151	188	188	188	152	107
55°	24	26	46	27	26	24
65°	8	8	8	8	8	8
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°	27482.3	27482.3	27482.3	27482.3	27482.3
2.5°	27300.1	27281.2	27292.0	27305.5	27310.9
5°	26591.7	26566.1	26560.7	26616.0	26593.1
7.5°	25162.8	25126.4	25071.1	25196.6	25314.0
10°	22769.2	22728.7	22608.6	22668.0	22763.8
12.5°	19235.4	19104.5	19101.8	19290.7	19265.1
15°	14570.9	14395.5	14492.7	14445.5	14419.8
17.5°	9798.5	9731.1	9860.6	9821.5	9652.8
20°	7048.7	7066.2	7313.1	7189.0	7039.2
22.5°	5143.5	5206.9	5499.7	5179.9	5062.5
25°	3424.5	3554.0	3861.7	3463.6	3354.3
27.5°	2106.2	2165.6	2477.3	2079.3	2019.9
30°	1310.2	1280.5	1427.5	1225.2	1141.5
32.5°	859.5	821.7	868.9	779.9	712.4
35°	574.8	586.9	550.5	546.5	461.5
37.5°	358.9	412.9	364.3	388.6	296.8
40°	232.1	299.5	257.7	284.7	218.6
42.5°	190.2	230.7	211.8	225.3	194.3
45°	151.1	187.6	187.6	187.6	152.5
47.5°	83.7	125.5	160.6	128.2	89.1
50°	47.2	63.4	124.1	66.1	49.9
52.5°	32.4	36.4	85.0	37.8	33.7
55°	24.3	25.6	45.9	27.0	25.6
57.5°	18.9	20.2	24.3	20.2	18.9
60°	14.8	14.8	17.5	16.2	14.8
62.5°	10.8	10.8	12.1	10.8	10.8
65°	8.1	8.1	8.1	8.1	8.1
67.5°	4.0	5.4	5.4	5.4	5.4
70°	4.0	2.7	2.7	2.7	4.0
72.5°	2.7	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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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