

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: P769546

Luminaire Tested: LD6D65D010-EU6DR3055659040-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769546
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: LD6D65D010-EU6DR3055659040-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 8588.6 lumens
Efficiency: N/A
Efficacy: 118.0 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

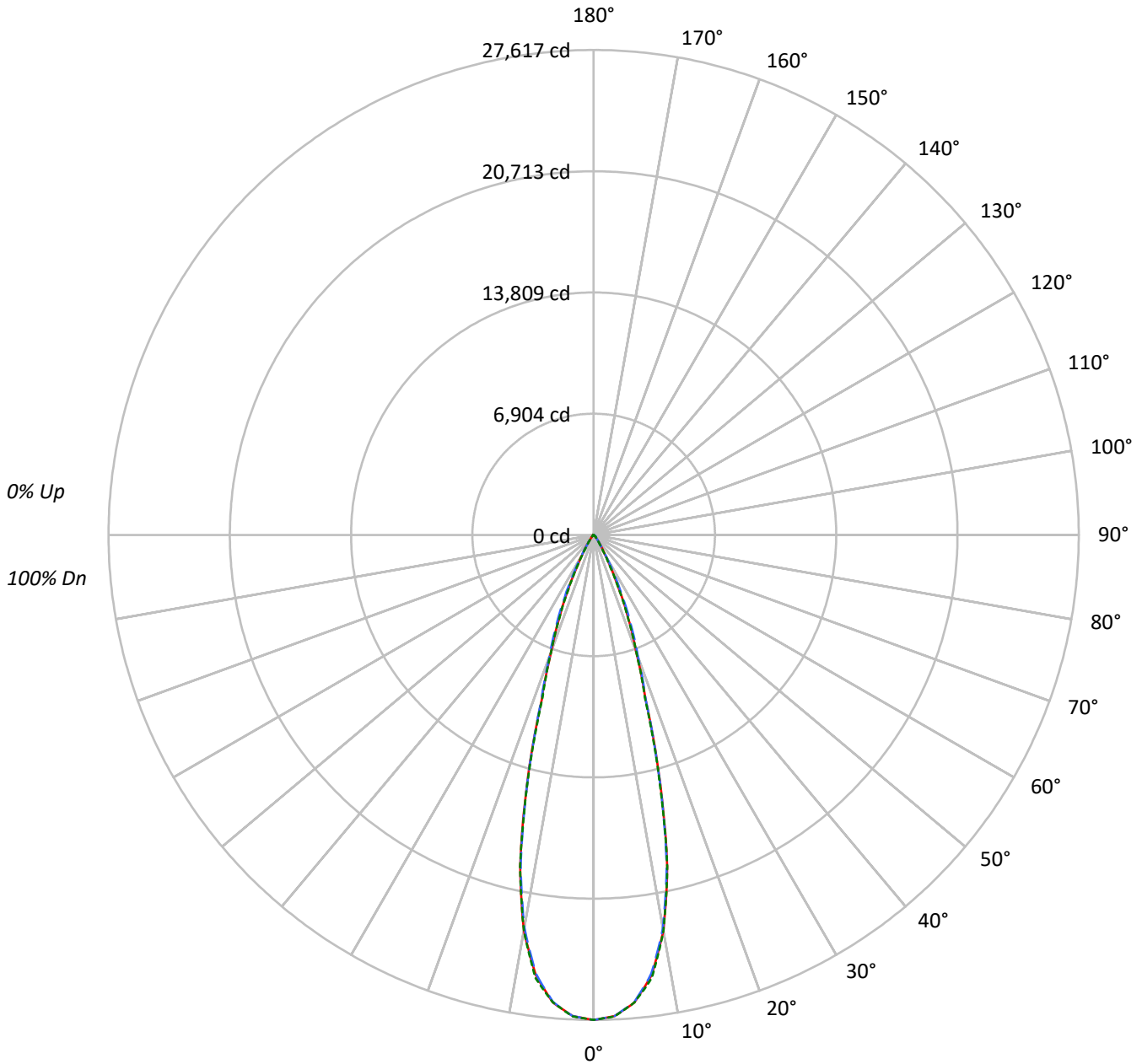
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	2113868	2113868	2113868
5°	2053183	2050793	2053290
10°	1778369	1765832	1777949
15°	1160300	1154064	1148263
20°	576959	598610	576186
25°	290631	327733	284677
30°	116367	126788	101386
35°	53972	51692	43329
40°	23301	25879	21952
45°	16443	20405	16584
50°	5656	14849	5978
55°	3256	6152	3443
60°	2281	2694	2281
65°	1467	1467	1467
70°	918	604	918
75°	0	414	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 20405 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2428.5	28.3
10°-20°	3911.1	45.5
20°-30°	1690.1	19.7
30°-40°	385.2	4.5
40°-50°	132.3	1.5
50°-60°	32.3	0.4
60°-70°	8.4	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°	8029.6	93.5
0°-40°	8414.8	98.0
0°-60°	8579.4	99.9
0°-90°	8588.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8588.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	27617	27617	27617	27617	27617	
5°	26722	26696	26691	26746	26723	2430
15°	14642	14466	14564	14516	14490	3921
25°	3441	3571	3880	3481	3371	1647
35°	578	590	553	549	464	392
45°	152	188	188	188	153	108
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°	27616.6	27616.6	27616.6	27616.6	27616.6
2.5°	27433.6	27414.6	27425.4	27439.0	27444.4
5°	26721.7	26696.0	26690.6	26746.1	26723.1
7.5°	25285.9	25249.2	25193.7	25319.8	25437.7
10°	22880.5	22839.8	22719.2	22778.8	22875.1
12.5°	19329.5	19197.9	19195.2	19385.1	19359.3
15°	14642.2	14465.9	14563.5	14516.1	14490.3
17.5°	9846.4	9778.6	9908.8	9869.5	9700.0
20°	7083.1	7100.8	7348.9	7224.1	7073.6
22.5°	5168.6	5232.4	5526.6	5205.2	5087.3
25°	3441.2	3571.4	3880.5	3480.6	3370.7
27.5°	2116.5	2176.2	2489.4	2089.4	2029.8
30°	1316.6	1286.7	1434.5	1231.1	1147.1
32.5°	863.7	825.7	873.2	783.7	715.9
35°	577.6	589.8	553.2	549.1	463.7
37.5°	360.7	414.9	366.1	390.5	298.3
40°	233.2	301.0	259.0	286.1	219.7
42.5°	191.2	231.9	212.9	226.4	195.2
45°	151.9	188.5	188.5	188.5	153.2
47.5°	84.1	126.1	161.4	128.8	89.5
50°	47.5	63.7	124.7	66.4	50.2
52.5°	32.5	36.6	85.4	38.0	33.9
55°	24.4	25.8	46.1	27.1	25.8
57.5°	19.0	20.3	24.4	20.3	19.0
60°	14.9	14.9	17.6	16.3	14.9
62.5°	10.8	10.8	12.2	10.8	10.8
65°	8.1	8.1	8.1	8.1	8.1
67.5°	4.1	5.4	5.4	5.4	5.4
70°	4.1	2.7	2.7	2.7	4.1
72.5°	2.7	1.4	1.4	1.4	1.4
75°	0.0	0.0	1.4	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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