

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: P769507

Luminaire Tested: LD6D65D010-EU6DR3055659027-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769507
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-EU6DR3055659027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7881.3 lumens
Efficiency: N/A
Efficacy: 108.3 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

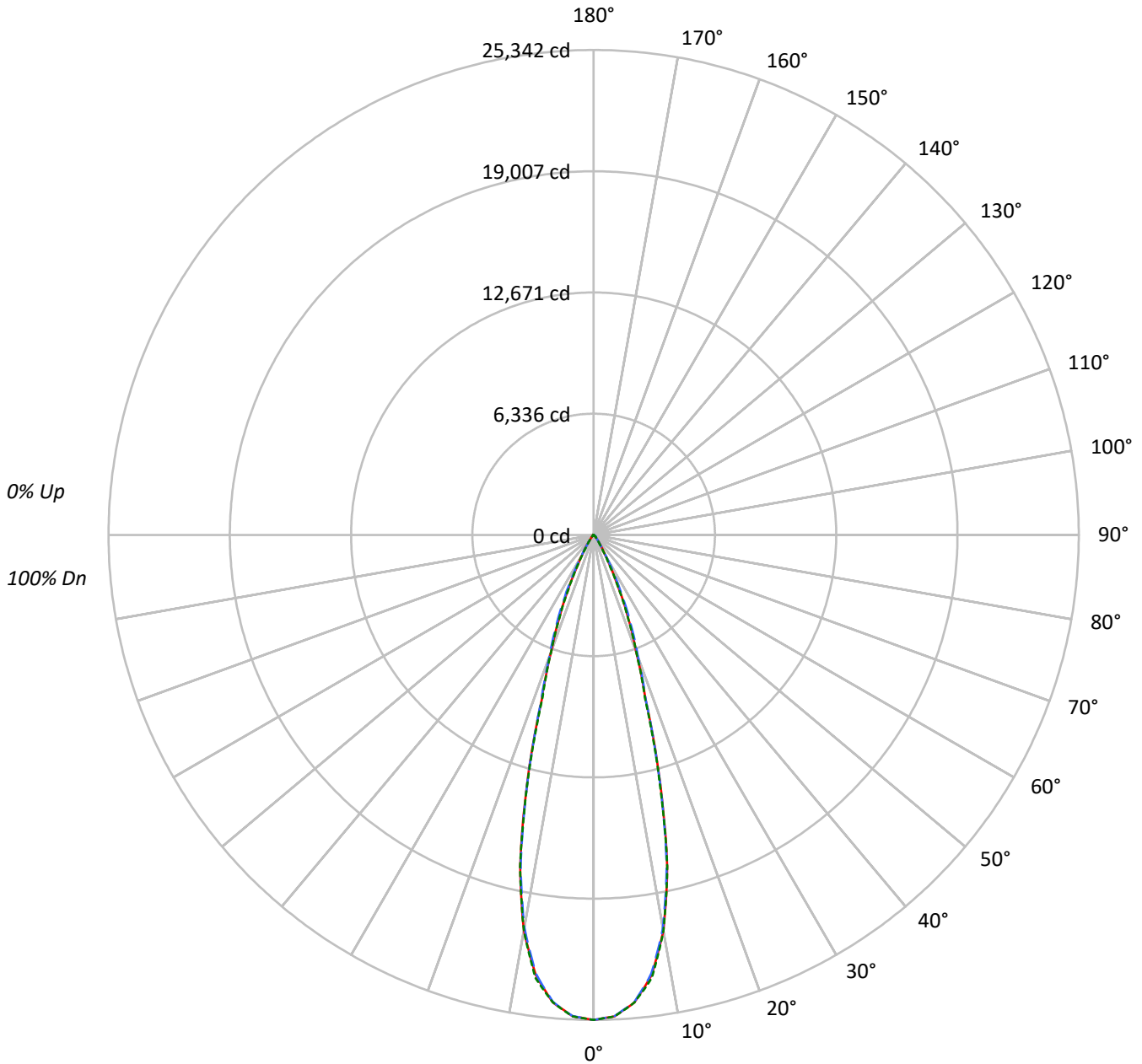
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1939786	1939786	1939786
5°	1884098	1881900	1884198
10°	1631913	1620410	1631532
15°	1064748	1059027	1053702
20°	529446	549313	528738
25°	266696	300749	261232
30°	106778	116350	93034
35°	49524	47431	39760
40°	21383	23741	20144
45°	15090	18716	15220
50°	5180	13635	5478
55°	2989	5645	3149
60°	2097	2480	2097
65°	1358	1358	1358
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: 18716 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2228.5	28.3
10°-20°	3589.0	45.5
20°-30°	1550.9	19.7
30°-40°	353.5	4.5
40°-50°	121.4	1.5
50°-60°	29.6	0.4
60°-70°	7.7	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°	7368.3	93.5
0°-40°	7721.8	98.0
0°-60°	7872.8	99.9
0°-90°	7881.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7881.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	25342	25342	25342	25342	25342	
5°	24521	24498	24492	24544	24522	2230
15°	13436	13275	13364	13321	13297	3598
25°	3158	3277	3561	3194	3093	1512
35°	530	541	508	504	426	360
45°	139	173	173	173	141	99
55°	22	24	42	25	24	22
65°	8	8	8	8	8	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°	25342.3	25342.3	25342.3	25342.3	25342.3
2.5°	25174.3	25156.9	25166.9	25179.3	25184.3
5°	24521.1	24497.5	24492.5	24543.5	24522.4
7.5°	23203.5	23169.9	23118.9	23234.6	23342.8
10°	20996.2	20958.9	20848.2	20902.9	20991.3
12.5°	17737.6	17616.9	17614.4	17788.6	17765.0
15°	13436.4	13274.6	13364.2	13320.6	13297.0
17.5°	9035.5	8973.3	9092.8	9056.7	8901.2
20°	6499.8	6516.0	6743.7	6629.2	6491.1
22.5°	4743.0	4801.5	5071.4	4776.6	4668.3
25°	3157.8	3277.3	3561.0	3193.9	3093.1
27.5°	1942.2	1997.0	2284.4	1917.3	1862.6
30°	1208.1	1180.8	1316.4	1129.8	1052.6
32.5°	792.6	757.7	801.3	719.2	656.9
35°	530.0	541.2	507.6	503.9	425.5
37.5°	331.0	380.7	335.9	358.3	273.7
40°	214.0	276.2	237.6	262.5	201.6
42.5°	175.4	212.8	195.3	207.8	179.2
45°	139.4	172.9	172.9	172.9	140.6
47.5°	77.1	115.7	148.1	118.2	82.1
50°	43.5	58.5	114.5	61.0	46.0
52.5°	29.9	33.6	78.4	34.8	31.1
55°	22.4	23.6	42.3	24.9	23.6
57.5°	17.4	18.7	22.4	18.7	17.4
60°	13.7	13.7	16.2	14.9	13.7
62.5°	10.0	10.0	11.2	10.0	10.0
65°	7.5	7.5	7.5	7.5	7.5
67.5°	3.7	5.0	5.0	5.0	5.0
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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