

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P794720

Luminaire Tested: LER6D65D010-EC6DR3055659040-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794720
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-EC6DR3055659040-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 8179.7 lumens
Efficiency: N/A
Efficacy: 112.4 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

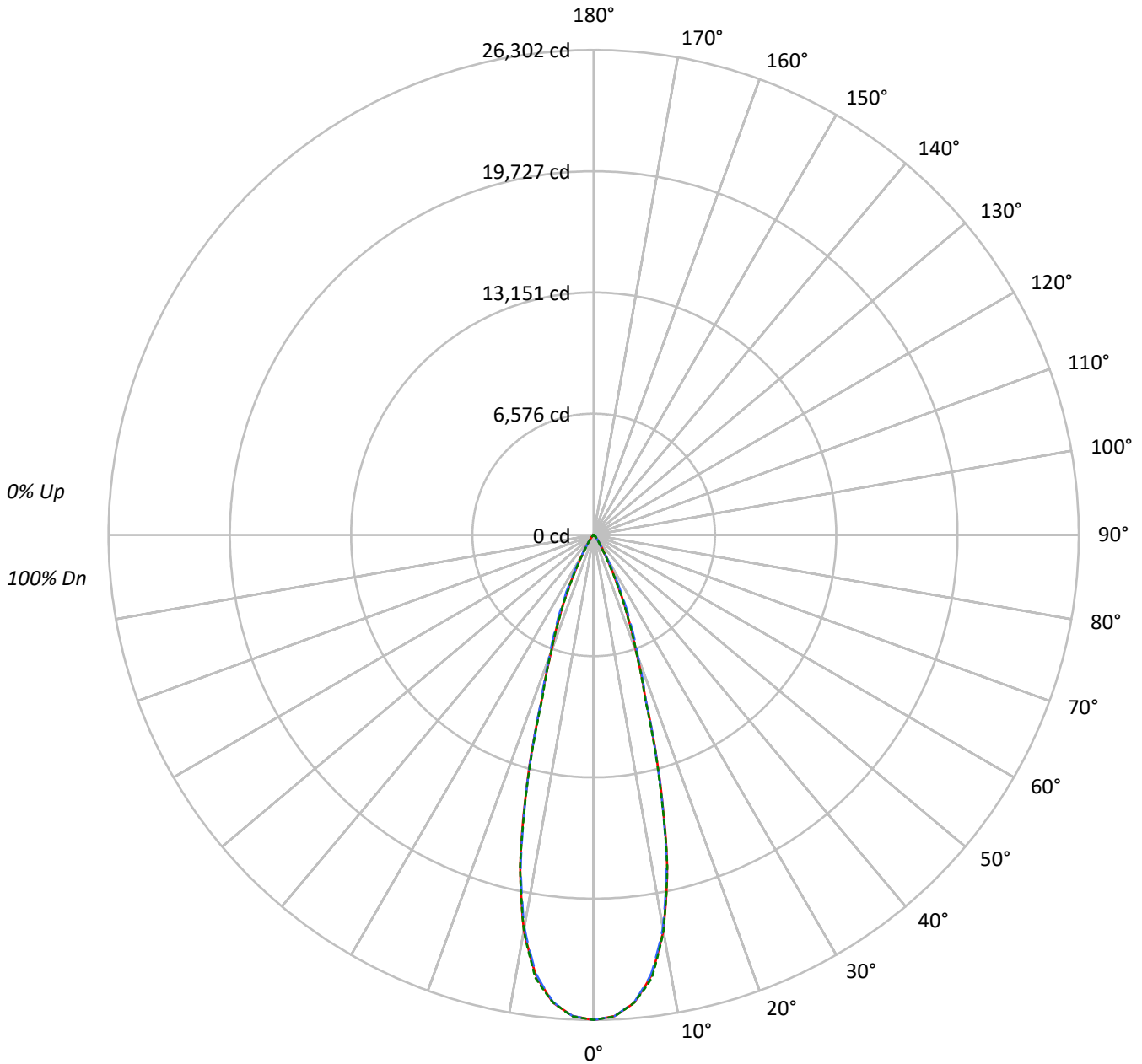
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	2013206	2013206	2013206
5°	1955417	1953135	1955517
10°	1693688	1681742	1693284
15°	1105043	1099108	1093585
20°	549484	570101	548751
25°	276797	312125	271122
30°	110826	120751	96560
35°	51403	49235	41264
40°	22192	24640	20903
45°	15653	19431	15793
50°	5382	14147	5692
55°	3096	5858	3270
60°	2174	2572	2174
65°	1395	1395	1395
70°	873	582	873
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 19431 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2312.8	28.3
10°-20°	3724.8	45.5
20°-30°	1609.6	19.7
30°-40°	366.9	4.5
40°-50°	126.0	1.5
50°-60°	30.8	0.4
60°-70°	8.0	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°	7647.2	93.5
0°-40°	8014.1	98.0
0°-60°	8170.8	99.9
0°-90°	8179.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8179.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26302	26302	26302	26302	26302	
5°	25449	25425	25420	25472	25451	2315
15°	13945	13777	13870	13825	13800	3734
25°	3277	3401	3696	3315	3210	1569
35°	550	562	527	523	442	373
45°	145	180	180	180	146	103
55°	23	24	44	26	24	23
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°	26301.5	26301.5	26301.5	26301.5	26301.5
2.5°	26127.2	26109.1	26119.5	26132.4	26137.5
5°	25449.3	25424.7	25419.6	25472.5	25450.6
7.5°	24081.8	24046.9	23994.0	24114.1	24226.4
10°	21791.0	21752.2	21637.3	21694.1	21785.8
12.5°	18409.0	18283.8	18281.2	18462.0	18437.4
15°	13944.9	13777.1	13870.0	13824.8	13800.3
17.5°	9377.5	9313.0	9436.9	9399.5	9238.1
20°	6745.8	6762.6	6998.9	6880.1	6736.8
22.5°	4922.5	4983.2	5263.4	4957.4	4845.0
25°	3277.4	3401.3	3695.7	3314.8	3210.2
27.5°	2015.7	2072.6	2370.9	1989.9	1933.1
30°	1253.9	1225.5	1366.2	1172.5	1092.5
32.5°	822.6	786.4	831.6	746.4	681.8
35°	550.1	561.7	526.9	523.0	441.6
37.5°	343.5	395.1	348.7	371.9	284.1
40°	222.1	286.7	246.6	272.5	209.2
42.5°	182.1	220.8	202.7	215.6	185.9
45°	144.6	179.5	179.5	179.5	145.9
47.5°	80.1	120.1	153.7	122.7	85.2
50°	45.2	60.7	118.8	63.3	47.8
52.5°	31.0	34.9	81.4	36.2	32.3
55°	23.2	24.5	43.9	25.8	24.5
57.5°	18.1	19.4	23.2	19.4	18.1
60°	14.2	14.2	16.8	15.5	14.2
62.5°	10.3	10.3	11.6	10.3	10.3
65°	7.7	7.7	7.7	7.7	7.7
67.5°	3.9	5.2	5.2	5.2	5.2
70°	3.9	2.6	2.6	2.6	3.9
72.5°	2.6	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

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Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

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