

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: P769532

Luminaire Tested: LD6D65D010-EU6DR3055659035-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769532
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-EU6DR3055659035-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7814.3 lumens
Efficiency: N/A
Efficacy: 107.3 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

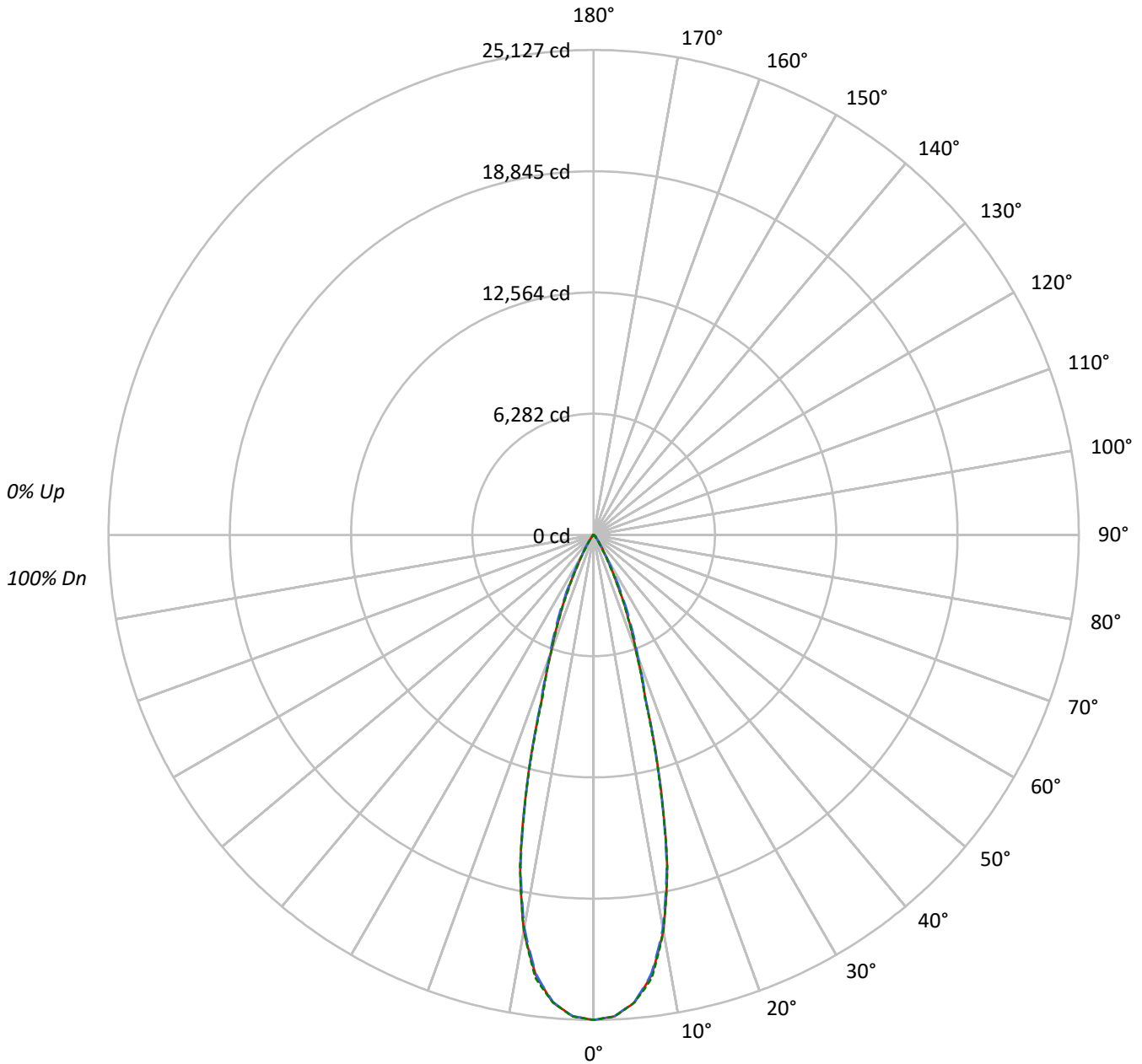
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	1923291	1923291	1923291
5°	1868078	1865895	1868170
10°	1618039	1606629	1617658
15°	1055691	1050017	1044739
20°	524942	544638	524241
25°	264433	298190	259011
30°	105876	115360	92247
35°	49104	47029	39423
40°	21203	23541	19964
45°	14960	18565	15090
50°	5144	13516	5430
55°	2963	5592	3123
60°	2082	2449	2082
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: 18565 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2209.5	28.3
10°-20°	3558.5	45.5
20°-30°	1537.7	19.7
30°-40°	350.5	4.5
40°-50°	120.3	1.5
50°-60°	29.4	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°	7305.7	93.5
0°-40°	7656.2	98.0
0°-60°	7805.9	99.9
0°-90°	7814.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7814.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	25127	25127	25127	25127	25127	
5°	24313	24289	24284	24335	24314	2211
15°	13322	13162	13250	13207	13184	3567
25°	3131	3249	3531	3167	3067	1499
35°	526	537	503	500	422	356
45°	138	172	172	172	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°	25126.8	25126.8	25126.8	25126.8	25126.8
2.5°	24960.3	24943.0	24952.9	24965.2	24970.1
5°	24312.6	24289.2	24284.2	24334.8	24313.8
7.5°	23006.2	22972.9	22922.3	23037.0	23144.4
10°	20817.7	20780.7	20670.9	20725.2	20812.8
12.5°	17586.8	17467.1	17464.7	17637.4	17613.9
15°	13322.1	13161.7	13250.5	13207.4	13183.9
17.5°	8958.7	8897.0	9015.5	8979.7	8825.5
20°	6444.5	6460.6	6686.3	6572.8	6435.9
22.5°	4702.6	4760.6	5028.3	4736.0	4628.6
25°	3131.0	3249.4	3530.7	3166.8	3066.8
27.5°	1925.7	1980.0	2265.0	1901.0	1846.8
30°	1197.9	1170.7	1305.2	1120.1	1043.7
32.5°	785.8	751.3	794.5	713.0	651.4
35°	525.5	536.6	503.3	499.6	421.9
37.5°	328.1	377.5	333.1	355.3	271.4
40°	212.2	273.9	235.6	260.3	199.8
42.5°	173.9	211.0	193.7	206.0	177.6
45°	138.2	171.5	171.5	171.5	139.4
47.5°	76.5	114.7	146.8	117.2	81.4
50°	43.2	58.0	113.5	60.4	45.6
52.5°	29.6	33.3	77.7	34.5	30.8
55°	22.2	23.4	41.9	24.7	23.4
57.5°	17.3	18.5	22.2	18.5	17.3
60°	13.6	13.6	16.0	14.8	13.6
62.5°	9.9	9.9	11.1	9.9	9.9
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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