

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: P769519

Luminaire Tested: LD6D65D010-EU6DR3055659030-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769519
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-EU6DR3055659030-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-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: 7732.9 lumens
Efficiency: N/A
Efficacy: 106.2 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

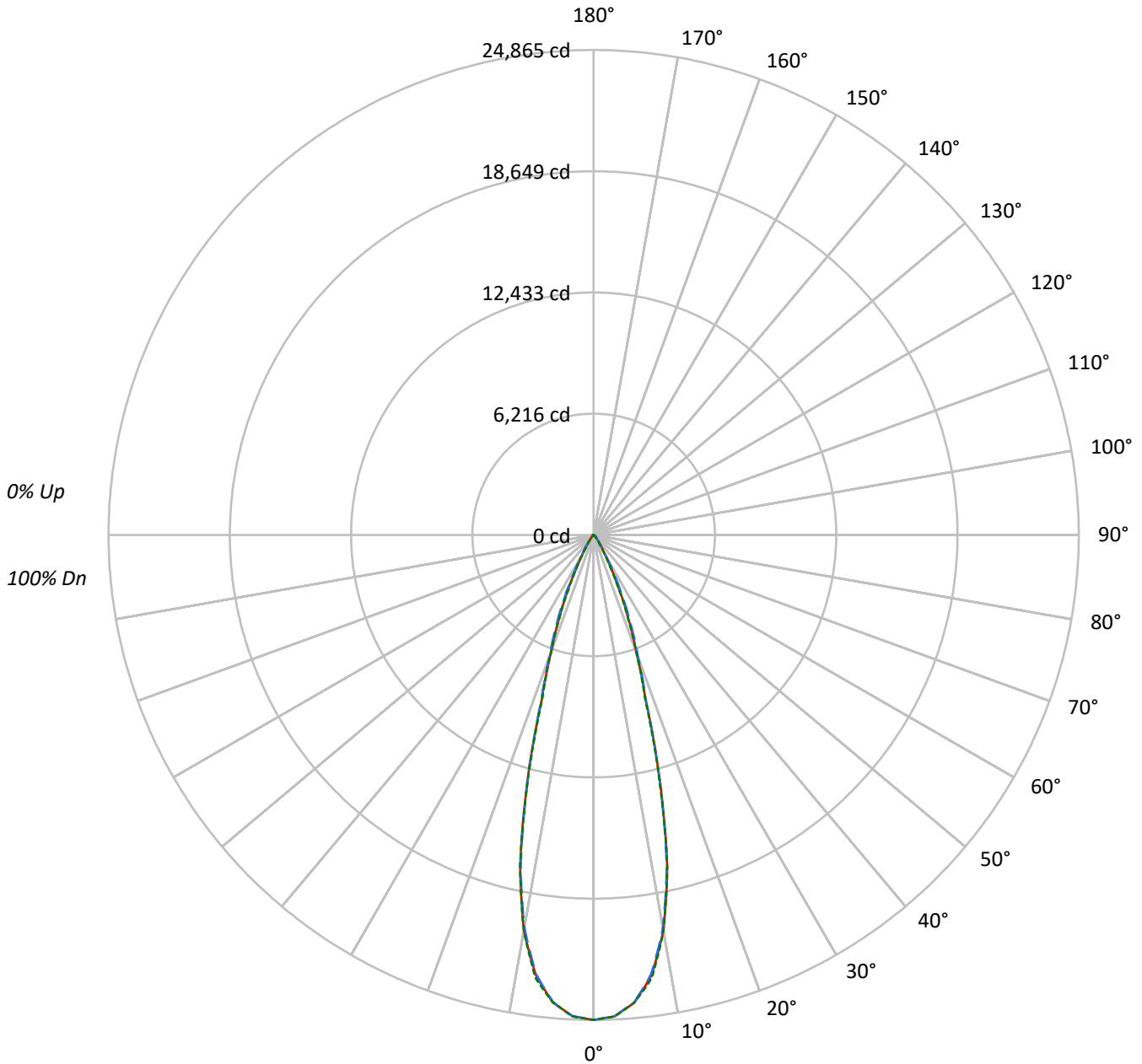
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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																			
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°	1903244	1903244	1903244
5°	1848607	1846448	1848700
10°	1601173	1589880	1600792
15°	1044684	1039073	1033851
20°	519476	538960	518776
25°	261671	295082	256316
30°	104771	114158	91284
35°	48599	46544	39012
40°	20983	23301	19764
45°	14798	18370	14927
50°	5085	13373	5382
55°	2936	5538	3096
60°	2051	2434	2051
65°	1322	1322	1322
70°	828	537	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: 18370 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2186.5	28.3
10°-20°	3521.4	45.5
20°-30°	1521.7	19.7
30°-40°	346.8	4.5
40°-50°	119.1	1.5
50°-60°	29.1	0.4
60°-70°	7.5	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°	7229.5	93.5
0°-40°	7576.4	98.0
0°-60°	7724.5	99.9
0°-90°	7732.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7732.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24865	24865	24865	24865	24865	
5°	24059	24036	24031	24081	24060	2188
15°	13183	13024	13112	13070	13046	3530
25°	3098	3216	3494	3134	3035	1483
35°	520	531	498	494	418	353
45°	137	170	170	170	138	97
55°	22	23	42	24	23	21
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°	24864.9	24864.9	24864.9	24864.9	24864.9
2.5°	24700.1	24683.0	24692.8	24705.0	24709.9
5°	24059.2	24036.0	24031.1	24081.2	24060.4
7.5°	22766.4	22733.4	22683.4	22796.9	22903.1
10°	20600.7	20564.1	20455.4	20509.2	20595.8
12.5°	17403.5	17285.1	17282.6	17453.5	17430.3
15°	13183.2	13024.5	13112.4	13069.7	13046.5
17.5°	8865.3	8804.3	8921.5	8886.1	8733.5
20°	6377.4	6393.2	6616.6	6504.3	6368.8
22.5°	4653.6	4711.0	4975.9	4686.6	4580.4
25°	3098.3	3215.5	3493.9	3133.7	3034.9
27.5°	1905.6	1959.4	2241.4	1881.2	1827.5
30°	1185.4	1158.5	1291.6	1108.5	1032.8
32.5°	777.6	743.5	786.2	705.6	644.6
35°	520.1	531.0	498.1	494.4	417.5
37.5°	324.7	373.6	329.6	351.6	268.6
40°	210.0	271.0	233.2	257.6	197.8
42.5°	172.1	208.8	191.7	203.9	175.8
45°	136.7	169.7	169.7	169.7	137.9
47.5°	75.7	113.5	145.3	116.0	80.6
50°	42.7	57.4	112.3	59.8	45.2
52.5°	29.3	33.0	76.9	34.2	30.5
55°	22.0	23.2	41.5	24.4	23.2
57.5°	17.1	18.3	22.0	18.3	17.1
60°	13.4	13.4	15.9	14.6	13.4
62.5°	9.8	9.8	11.0	9.8	9.8
65°	7.3	7.3	7.3	7.3	7.3
67.5°	3.7	4.9	4.9	4.9	4.9
70°	3.7	2.4	2.4	2.4	3.7
72.5°	2.4	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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