

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: P794710

Luminaire Tested: LER6D65D010-EC6DR3055659030-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794710
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-EC6DR3055659030-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7737.3 lumens
Efficiency: N/A
Efficacy: 106.3 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

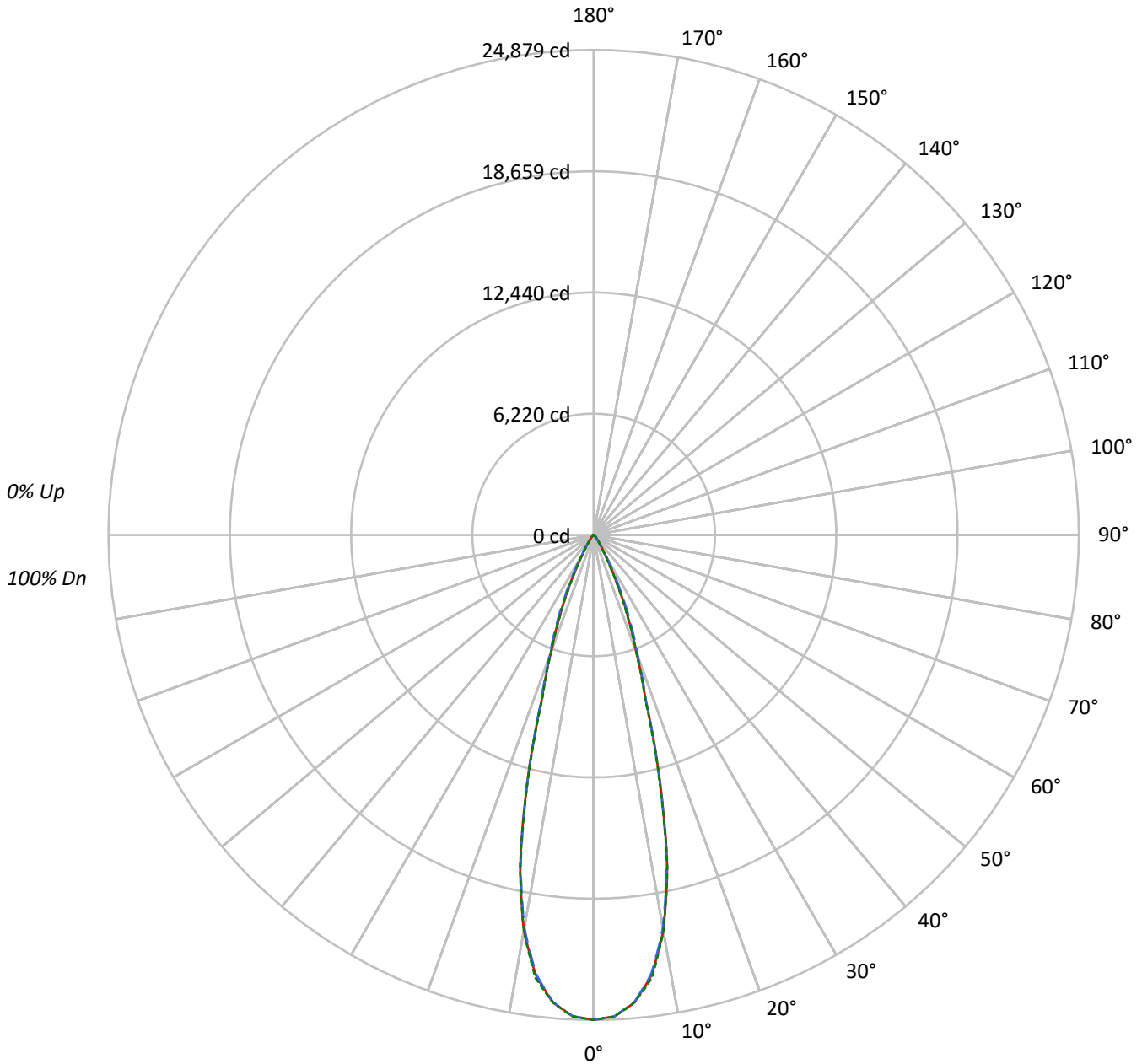
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1904346	1904346	1904346
5°	1849683	1847524	1849775
10°	1602106	1590805	1601725
15°	1045294	1039675	1034453
20°	519777	539278	519077
25°	261823	295251	256460
30°	104833	114220	91337
35°	48627	46572	39040
40°	20993	23311	19774
45°	14808	18381	14938
50°	5097	13385	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: 18381 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2187.8	28.3
10°-20°	3523.4	45.5
20°-30°	1522.6	19.7
30°-40°	347.0	4.5
40°-50°	119.2	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°	7233.7	93.5
0°-40°	7580.8	98.0
0°-60°	7729.0	99.9
0°-90°	7737.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7737.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24879	24879	24879	24879	24879	
5°	24073	24050	24045	24095	24074	2190
15°	13191	13032	13120	13077	13054	3532
25°	3100	3217	3496	3136	3037	1484
35°	520	531	498	495	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°	24879.3	24879.3	24879.3	24879.3	24879.3
2.5°	24714.4	24697.3	24707.1	24719.3	24724.2
5°	24073.2	24049.9	24045.1	24095.1	24074.4
7.5°	22779.6	22746.6	22696.5	22810.1	22916.4
10°	20612.7	20576.0	20467.3	20521.1	20607.8
12.5°	17413.6	17295.1	17292.7	17463.7	17440.5
15°	13190.9	13032.1	13120.0	13077.3	13054.1
17.5°	8870.5	8809.4	8926.7	8891.2	8738.6
20°	6381.1	6397.0	6620.5	6508.1	6372.5
22.5°	4656.3	4713.7	4978.8	4689.3	4583.0
25°	3100.1	3217.4	3495.9	3135.6	3036.6
27.5°	1906.7	1960.5	2242.7	1882.3	1828.6
30°	1186.1	1159.2	1292.3	1109.1	1033.4
32.5°	778.1	743.9	786.6	706.0	644.9
35°	520.4	531.3	498.4	494.7	417.8
37.5°	324.9	373.8	329.8	351.8	268.7
40°	210.1	271.2	233.3	257.7	197.9
42.5°	172.2	208.9	191.8	204.0	175.9
45°	136.8	169.8	169.8	169.8	138.0
47.5°	75.7	113.6	145.4	116.0	80.6
50°	42.8	57.4	112.4	59.9	45.2
52.5°	29.3	33.0	77.0	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	14.7	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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