

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: P794702

Luminaire Tested: LER6D65D010-EC6DR3055659027-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794702
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-EC6DR3055659027-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7510.4 lumens
Efficiency: N/A
Efficacy: 103.2 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

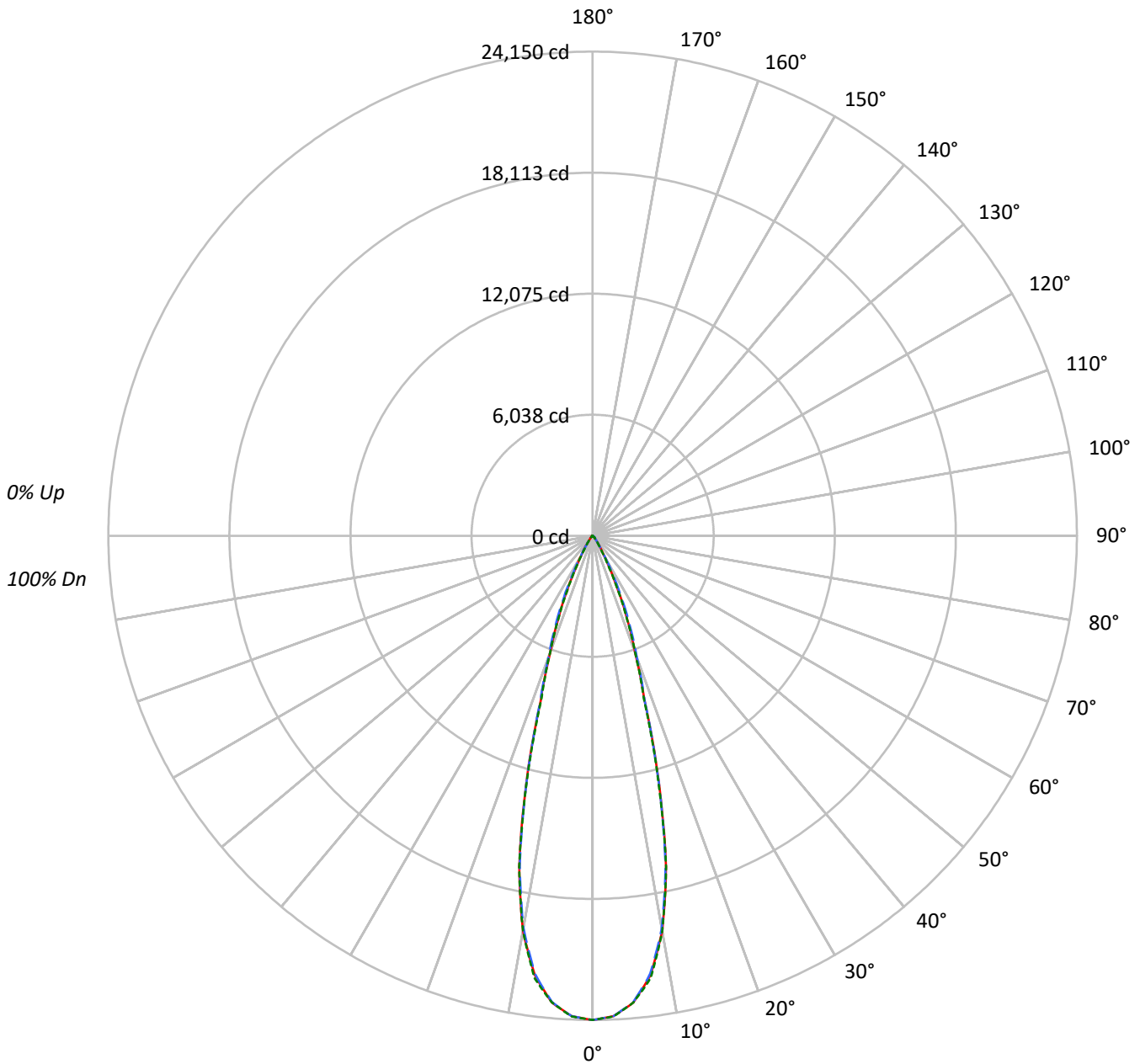


Downlight

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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	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°	1848485	1848485	1848485
5°	1795422	1793324	1795514
10°	1555106	1544139	1554741
15°	1014634	1009183	1004111
20°	504529	523459	503853
25°	254146	286594	248943
30°	101757	110870	88659
35°	47198	45198	37891
40°	20374	22632	19195
45°	14375	17839	14505
50°	4942	12992	5228
55°	2842	5378	3003
60°	1990	2358	1990
65°	1286	1286	1286
70°	806	537	806
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 17839 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2123.6	28.3
10°-20°	3420.1	45.5
20°-30°	1477.9	19.7
30°-40°	336.8	4.5
40°-50°	115.7	1.5
50°-60°	28.2	0.4
60°-70°	7.3	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°	7021.5	93.5
0°-40°	7358.4	98.0
0°-60°	7502.3	99.9
0°-90°	7510.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7510.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24150	24150	24150	24150	24150	
5°	23367	23344	23340	23388	23368	2125
15°	12804	12650	12735	12694	12671	3428
25°	3009	3123	3393	3044	2948	1440
35°	505	516	484	480	406	343
45°	133	165	165	165	134	94
55°	21	22	40	24	22	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°	24149.5	24149.5	24149.5	24149.5	24149.5
2.5°	23989.5	23972.9	23982.4	23994.2	23999.0
5°	23367.0	23344.5	23339.7	23388.4	23368.2
7.5°	22111.4	22079.4	22030.8	22141.0	22244.2
10°	20008.0	19972.5	19866.9	19919.1	20003.3
12.5°	16902.8	16787.8	16785.4	16951.4	16928.9
15°	12804.0	12649.8	12735.2	12693.7	12671.2
17.5°	8610.3	8551.0	8664.8	8630.4	8482.2
20°	6193.9	6209.3	6426.3	6317.2	6185.6
22.5°	4519.7	4575.5	4832.8	4551.8	4448.6
25°	3009.2	3123.0	3393.4	3043.6	2947.6
27.5°	1850.8	1903.0	2176.9	1827.1	1774.9
30°	1151.3	1125.2	1254.4	1076.6	1003.1
32.5°	755.3	722.1	763.6	685.3	626.0
35°	505.1	515.8	483.7	480.2	405.5
37.5°	315.4	362.8	320.1	341.5	260.8
40°	203.9	263.2	226.5	250.2	192.1
42.5°	167.2	202.7	186.1	198.0	170.7
45°	132.8	164.8	164.8	164.8	134.0
47.5°	73.5	110.3	141.1	112.6	78.3
50°	41.5	55.7	109.1	58.1	43.9
52.5°	28.5	32.0	74.7	33.2	29.6
55°	21.3	22.5	40.3	23.7	22.5
57.5°	16.6	17.8	21.3	17.8	16.6
60°	13.0	13.0	15.4	14.2	13.0
62.5°	9.5	9.5	10.7	9.5	9.5
65°	7.1	7.1	7.1	7.1	7.1
67.5°	3.6	4.7	4.7	4.7	4.7
70°	3.6	2.4	2.4	2.4	3.6
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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