

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: P794690

Luminaire Tested: LER6D65D010-EC6DR3055659024-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794690
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-EC6DR3055659024-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5910.9 lumens
Efficiency: N/A
Efficacy: 81.2 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

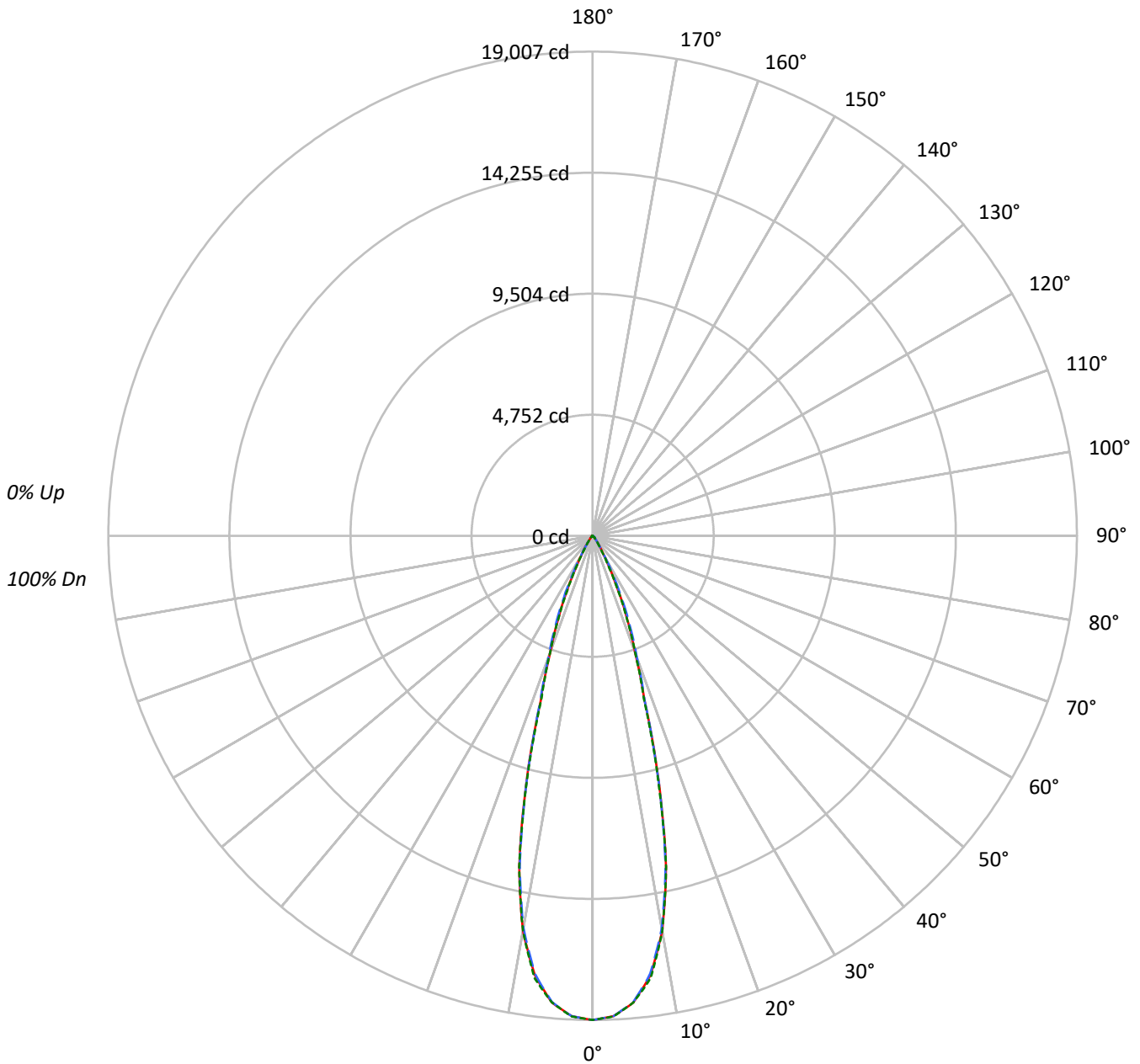


Downlight

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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°	1454830	1454830	1454830
5°	1413064	1411412	1413133
10°	1223923	1215296	1223635
15°	798553	794258	790272
20°	397081	411979	396551
25°	200026	225557	195922
30°	80085	87262	69780
35°	37143	35573	29817
40°	16037	17806	15108
45°	11312	14040	11409
50°	3894	10229	4108
55°	2242	4230	2362
60°	1577	1852	1577
65°	1014	1014	1014
70°	627	425	627
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 14040 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1671.3	28.3
10°-20°	2691.7	45.5
20°-30°	1163.2	19.7
30°-40°	265.1	4.5
40°-50°	91.0	1.5
50°-60°	22.2	0.4
60°-70°	5.8	0.1
70°-80°	0.6	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°	5526.2	93.5
0°-40°	5791.3	98.0
0°-60°	5904.6	99.9
0°-90°	5910.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5910.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19007	19007	19007	19007	19007	
5°	18391	18373	18369	18408	18392	1673
15°	10077	9956	10023	9990	9973	2698
25°	2368	2458	2671	2395	2320	1134
35°	398	406	381	378	319	270
45°	104	130	130	130	105	74
55°	17	18	32	19	18	16
65°	6	6	6	6	6	6
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°	19006.6	19006.6	19006.6	19006.6	19006.6
2.5°	18880.6	18867.5	18875.0	18884.3	18888.0
5°	18390.7	18372.9	18369.2	18407.5	18391.6
7.5°	17402.5	17377.3	17339.0	17425.8	17507.0
10°	15747.0	15719.0	15636.0	15677.1	15743.3
12.5°	13303.1	13212.6	13210.7	13341.4	13323.6
15°	10077.2	9955.9	10023.0	9990.4	9972.7
17.5°	6776.6	6729.9	6819.5	6792.5	6675.8
20°	4874.8	4886.9	5057.7	4971.9	4868.3
22.5°	3557.2	3601.1	3803.6	3582.4	3501.2
25°	2368.4	2457.9	2670.7	2395.4	2319.8
27.5°	1456.7	1497.7	1713.3	1438.0	1396.9
30°	906.1	885.6	987.3	847.3	789.5
32.5°	594.4	568.3	601.0	539.4	492.7
35°	397.5	405.9	380.7	377.9	319.1
37.5°	248.2	285.5	252.0	268.7	205.3
40°	160.5	207.2	178.2	196.9	151.2
42.5°	131.6	159.6	146.5	155.8	134.4
45°	104.5	129.7	129.7	129.7	105.4
47.5°	57.9	86.8	111.0	88.6	61.6
50°	32.7	43.9	85.9	45.7	34.5
52.5°	22.4	25.2	58.8	26.1	23.3
55°	16.8	17.7	31.7	18.7	17.7
57.5°	13.1	14.0	16.8	14.0	13.1
60°	10.3	10.3	12.1	11.2	10.3
62.5°	7.5	7.5	8.4	7.5	7.5
65°	5.6	5.6	5.6	5.6	5.6
67.5°	2.8	3.7	3.7	3.7	3.7
70°	2.8	1.9	1.9	1.9	2.8
72.5°	1.9	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	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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