

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: P794732

Luminaire Tested: LER6D65D010-EC6DR3055659050-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794732
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-EC6DR3055659050-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8671.7 lumens
Efficiency: N/A
Efficacy: 119.1 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

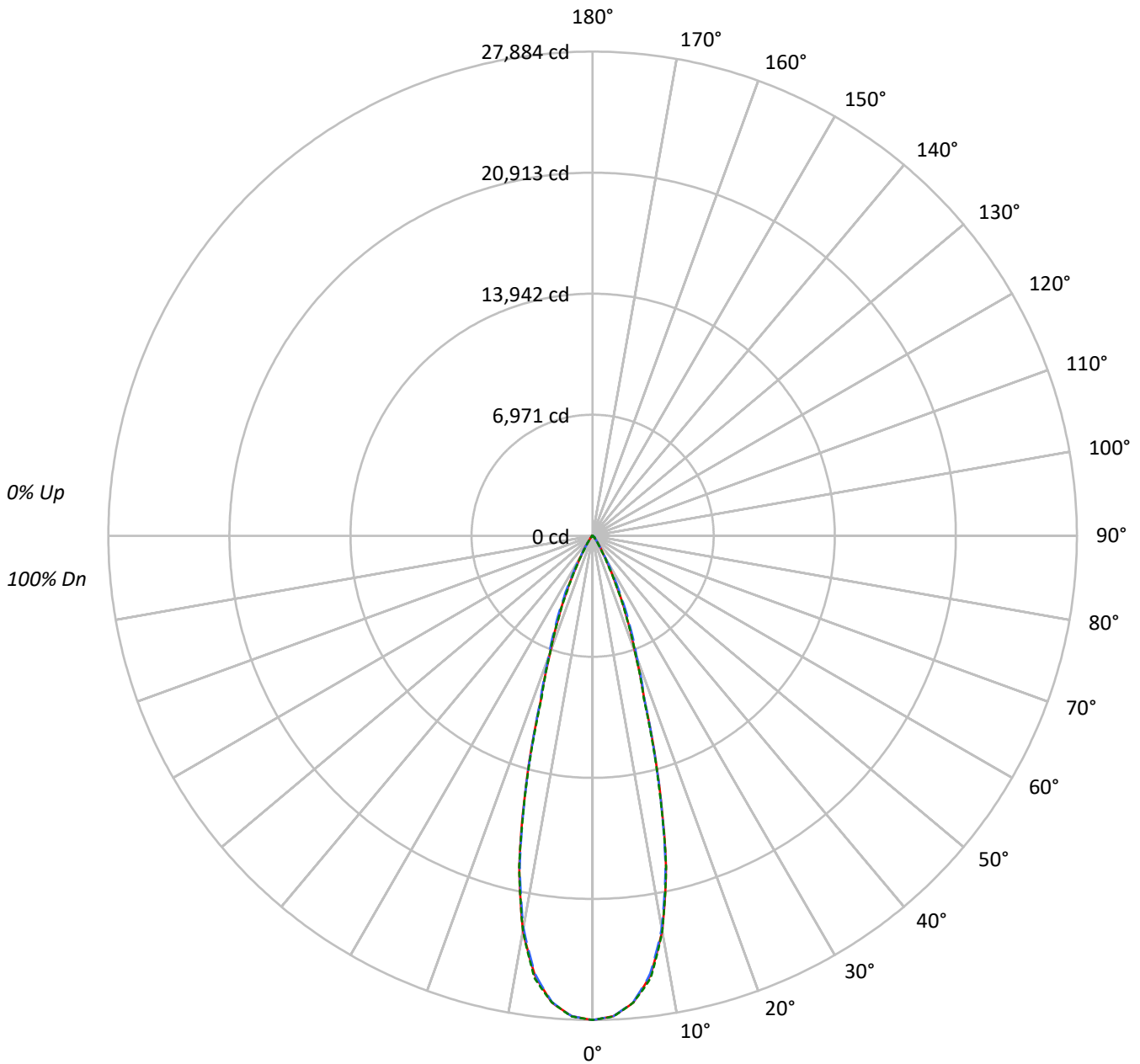


Downlight

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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°	2134305	2134305	2134305
5°	2073037	2070617	2073137
10°	1795561	1782900	1795134
15°	1171513	1165221	1159365
20°	582539	604394	581757
25°	293443	330900	287430
30°	117490	128016	102367
35°	54496	52187	43750
40°	23531	26129	22162
45°	16595	20600	16746
50°	5704	14992	6037
55°	3283	6205	3470
60°	2312	2725	2312
65°	1485	1485	1485
70°	918	604	918
75°	0	414	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 20600 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2451.9	28.3
10°-20°	3948.9	45.5
20°-30°	1706.4	19.7
30°-40°	388.9	4.5
40°-50°	133.5	1.5
50°-60°	32.6	0.4
60°-70°	8.5	0.1
70°-80°	0.9	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°	8107.2	93.5
0°-40°	8496.1	98.0
0°-60°	8662.3	99.9
0°-90°	8671.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8671.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	27884	27884	27884	27884	27884	
5°	26980	26954	26949	27005	26981	2454
15°	14784	14606	14704	14656	14630	3959
25°	3474	3606	3918	3514	3403	1663
35°	583	596	558	554	468	396
45°	153	190	190	190	155	109
55°	25	26	46	27	26	24
65°	8	8	8	8	8	8
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°	27883.6	27883.6	27883.6	27883.6	27883.6
2.5°	27698.8	27679.6	27690.6	27704.3	27709.7
5°	26980.1	26954.0	26948.6	27004.7	26981.4
7.5°	25530.3	25493.3	25437.2	25564.5	25683.6
10°	23101.7	23060.6	22938.8	22999.0	23096.2
12.5°	19516.3	19383.5	19380.8	19572.5	19546.4
15°	14783.7	14605.8	14704.3	14656.4	14630.4
17.5°	9941.6	9873.2	10004.6	9964.9	9793.8
20°	7151.6	7169.4	7419.9	7294.0	7142.0
22.5°	5218.6	5282.9	5580.0	5255.6	5136.5
25°	3474.5	3605.9	3918.0	3514.2	3403.3
27.5°	2137.0	2197.2	2513.5	2109.6	2049.4
30°	1329.3	1299.2	1448.4	1243.0	1158.2
32.5°	872.0	833.7	881.6	791.3	722.8
35°	583.2	595.5	558.5	554.4	468.2
37.5°	364.2	418.9	369.6	394.3	301.2
40°	235.5	303.9	261.5	288.9	221.8
42.5°	193.0	234.1	214.9	228.6	197.1
45°	153.3	190.3	190.3	190.3	154.7
47.5°	84.9	127.3	162.9	130.1	90.4
50°	47.9	64.3	125.9	67.1	50.7
52.5°	32.9	37.0	86.2	38.3	34.2
55°	24.6	26.0	46.5	27.4	26.0
57.5°	19.2	20.5	24.6	20.5	19.2
60°	15.1	15.1	17.8	16.4	15.1
62.5°	11.0	11.0	12.3	11.0	11.0
65°	8.2	8.2	8.2	8.2	8.2
67.5°	4.1	5.5	5.5	5.5	5.5
70°	4.1	2.7	2.7	2.7	4.1
72.5°	2.7	1.4	1.4	1.4	1.4
75°	0.0	0.0	1.4	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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