

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: P794729

Luminaire Tested: LER6D65D010-EC6DR3055659050-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P794729  
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-EC6DR3055659050-6LBDDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 8650.0 lumens  
Efficiency: N/A  
Efficacy: 118.8 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

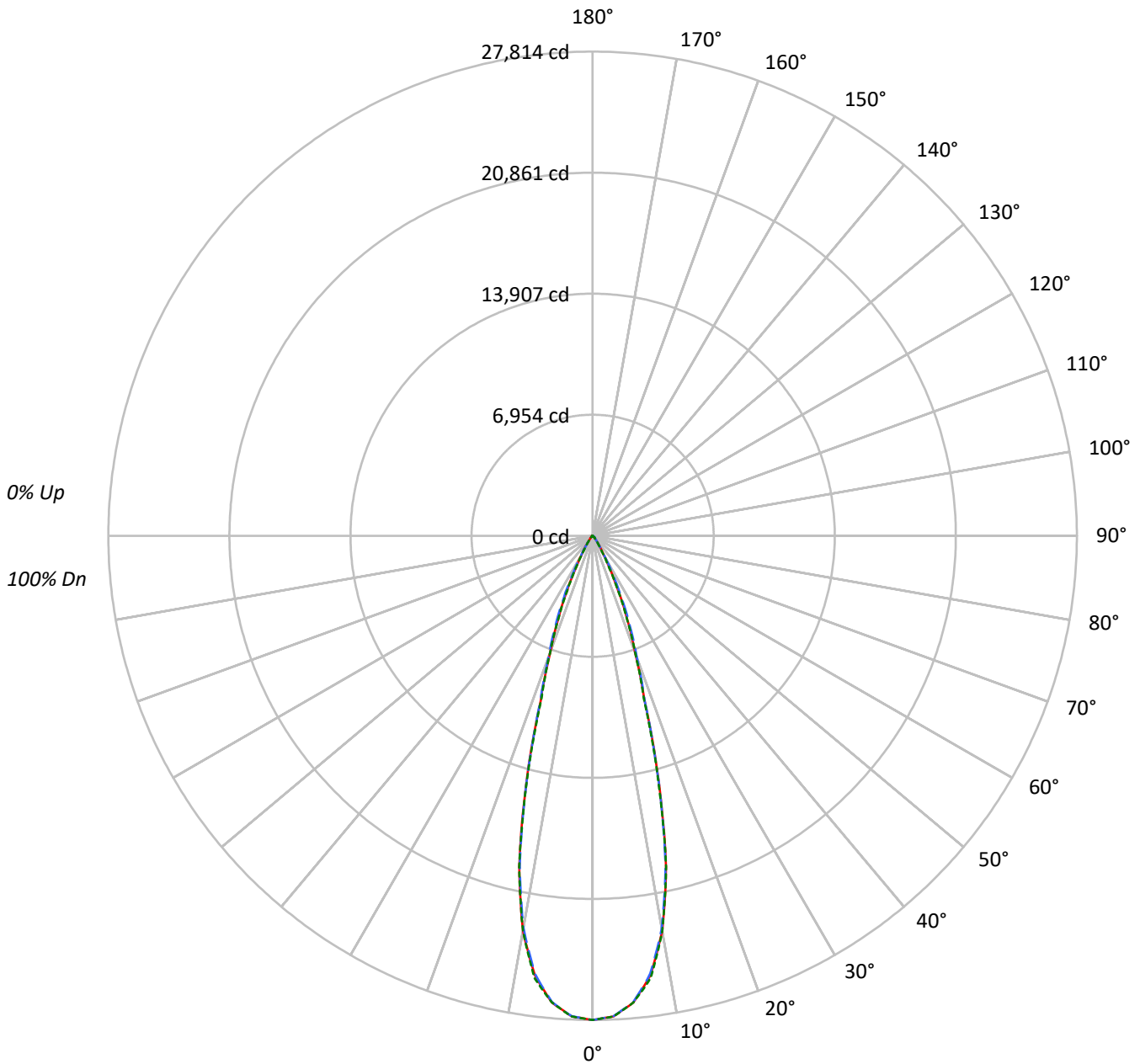
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P794729  
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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°	2128970	2128970	2128970
5°	2067851	2065438	2067958
10°	1791076	1778446	1790649
15°	1168589	1162313	1156465
20°	581081	602887	580307
25°	292709	330081	286712
30°	117198	127698	102111
35°	54355	52066	43638
40°	23471	26059	22102
45°	16551	20546	16703
50°	5692	14956	6014
55°	3283	6192	3456
60°	2296	2725	2296
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: 20546 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2445.8	28.3
10°-20°	3939.0	45.5
20°-30°	1702.1	19.7
30°-40°	388.0	4.5
40°-50°	133.2	1.5
50°-60°	32.5	0.4
60°-70°	8.4	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°	8087.0	93.5
0°-40°	8474.9	98.0
0°-60°	8640.6	99.9
0°-90°	8650.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8650.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	27814	27814	27814	27814	27814	
5°	26913	26887	26881	26937	26914	2448
15°	14747	14569	14668	14620	14594	3949
25°	3466	3597	3908	3505	3395	1659
35°	582	594	557	553	467	395
45°	153	190	190	190	154	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°	27813.9	27813.9	27813.9	27813.9	27813.9
2.5°	27629.5	27610.4	27621.3	27635.0	27640.5
5°	26912.6	26886.7	26881.2	26937.2	26914.0
7.5°	25466.5	25429.6	25373.6	25500.6	25619.4
10°	23044.0	23003.0	22881.5	22941.5	23038.5
12.5°	19467.5	19335.1	19332.3	19523.5	19497.6
15°	14746.8	14569.2	14667.6	14619.8	14593.8
17.5°	9916.8	9848.5	9979.6	9940.0	9769.3
20°	7133.7	7151.5	7401.4	7275.7	7124.2
22.5°	5205.5	5269.7	5566.1	5242.4	5123.6
25°	3465.8	3596.9	3908.3	3505.4	3394.8
27.5°	2131.7	2191.7	2507.2	2104.3	2044.3
30°	1326.0	1295.9	1444.8	1239.9	1155.3
32.5°	869.9	831.6	879.4	789.3	721.0
35°	581.7	594.0	557.2	553.1	467.0
37.5°	363.2	417.9	368.7	393.3	300.4
40°	234.9	303.2	260.8	288.1	221.2
42.5°	192.5	233.5	214.4	228.0	196.6
45°	152.9	189.8	189.8	189.8	154.3
47.5°	84.7	127.0	162.5	129.7	90.1
50°	47.8	64.2	125.6	66.9	50.5
52.5°	32.8	36.9	86.0	38.2	34.1
55°	24.6	25.9	46.4	27.3	25.9
57.5°	19.1	20.5	24.6	20.5	19.1
60°	15.0	15.0	17.8	16.4	15.0
62.5°	10.9	10.9	12.3	10.9	10.9
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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