

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: P794705

Luminaire Tested: LER6D65D010-EC6DR3055659030-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P794705  
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-EC6DR3055659030-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8119.5 lumens  
Efficiency: N/A  
Efficacy: 111.5 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

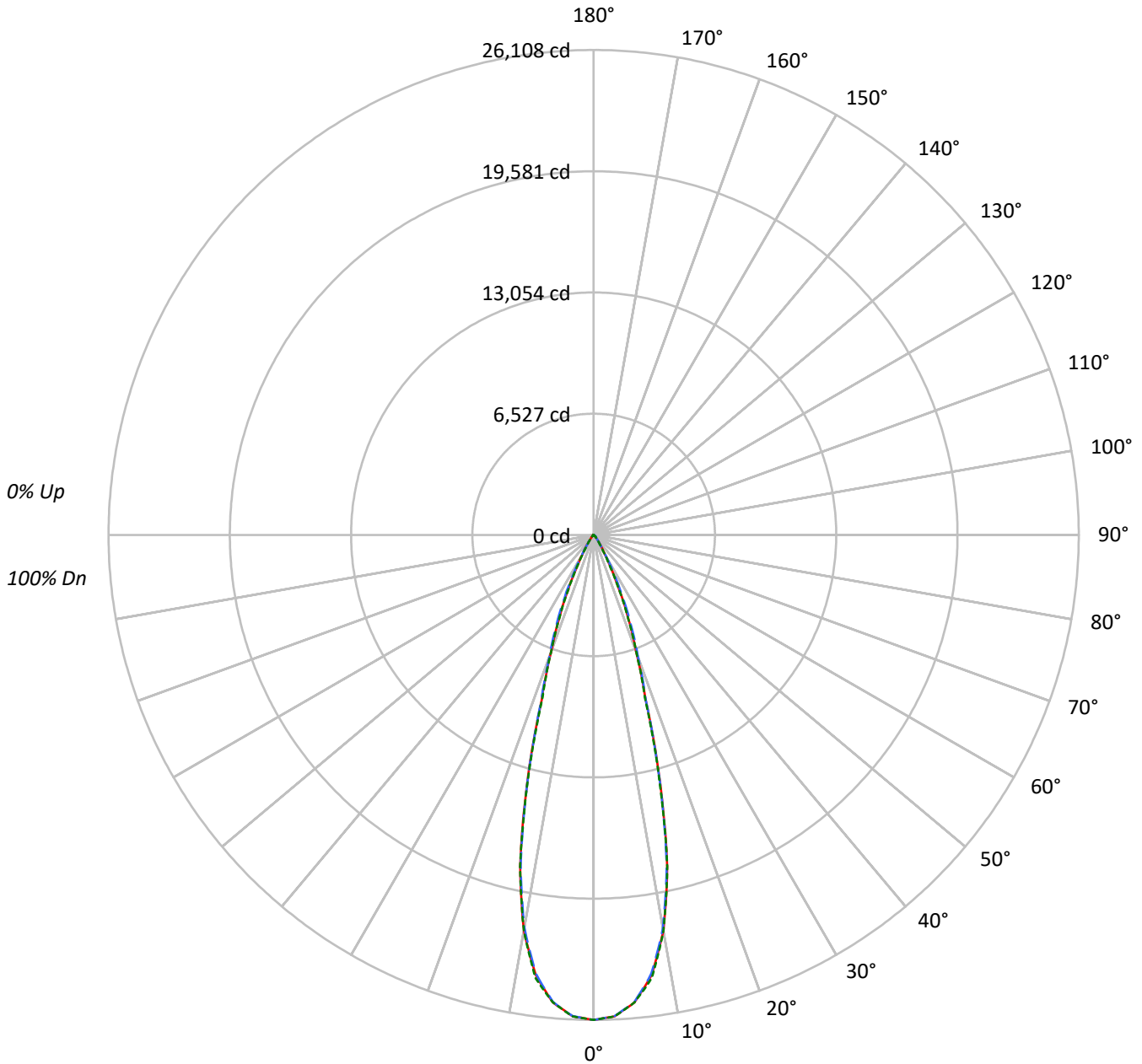
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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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	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°	1998403	1998403	1998403
5°	1941033	1938774	1941133
10°	1681229	1669376	1680832
15°	1096921	1091025	1085542
20°	545444	565914	544719
25°	274762	309836	269128
30°	110004	119867	95844
35°	51029	48870	40965
40°	22032	24460	20753
45°	15545	19290	15674
50°	5347	14040	5644
55°	3083	5818	3256
60°	2159	2557	2159
65°	1395	1395	1395
70°	850	582	850
75°	0	384	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 19290 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2295.8	28.3
10°-20°	3697.4	45.5
20°-30°	1597.8	19.7
30°-40°	364.2	4.5
40°-50°	125.0	1.5
50°-60°	30.5	0.4
60°-70°	7.9	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°	7591.0	93.5
0°-40°	7955.2	98.0
0°-60°	8110.8	99.9
0°-90°	8119.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8119.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	26108	26108	26108	26108	26108	
5°	25262	25238	25233	25285	25263	2298
15°	13842	13676	13768	13723	13699	3706
25°	3253	3376	3669	3290	3187	1557
35°	546	558	523	519	438	370
45°	144	178	178	178	145	102
55°	23	24	44	26	24	22
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°	26108.1	26108.1	26108.1	26108.1	26108.1
2.5°	25935.1	25917.2	25927.4	25940.2	25945.4
5°	25262.1	25237.8	25232.7	25285.2	25263.4
7.5°	23904.7	23870.1	23817.5	23936.7	24048.3
10°	21630.7	21592.3	21478.2	21534.6	21625.6
12.5°	18273.7	18149.3	18146.8	18326.2	18301.9
15°	13842.4	13675.8	13768.0	13723.2	13698.8
17.5°	9308.6	9244.5	9367.6	9330.4	9170.2
20°	6696.2	6712.9	6947.5	6829.5	6687.3
22.5°	4886.3	4946.6	5224.7	4920.9	4809.4
25°	3253.3	3376.3	3668.6	3290.4	3186.6
27.5°	2000.9	2057.3	2353.4	1975.3	1918.9
30°	1244.6	1216.4	1356.2	1163.9	1084.4
32.5°	816.5	780.6	825.5	740.9	676.8
35°	546.1	557.6	523.0	519.1	438.4
37.5°	341.0	392.2	346.1	369.2	282.0
40°	220.5	284.6	244.8	270.5	207.7
42.5°	180.7	219.2	201.2	214.1	184.6
45°	143.6	178.2	178.2	178.2	144.8
47.5°	79.5	119.2	152.5	121.8	84.6
50°	44.9	60.2	117.9	62.8	47.4
52.5°	30.8	34.6	80.8	35.9	32.0
55°	23.1	24.4	43.6	25.6	24.4
57.5°	17.9	19.2	23.1	19.2	17.9
60°	14.1	14.1	16.7	15.4	14.1
62.5°	10.3	10.3	11.5	10.3	10.3
65°	7.7	7.7	7.7	7.7	7.7
67.5°	3.8	5.1	5.1	5.1	5.1
70°	3.8	2.6	2.6	2.6	3.8
72.5°	2.6	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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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