

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P793745

Luminaire Tested: LER6D55D010-EC6DR3055659030-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P793745  
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: LER6D55D010-EC6DR3055659030-6LBDDP1LI  
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: 6676.2 lumens  
Efficiency: N/A  
Efficacy: 114.7 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): 58.2  
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

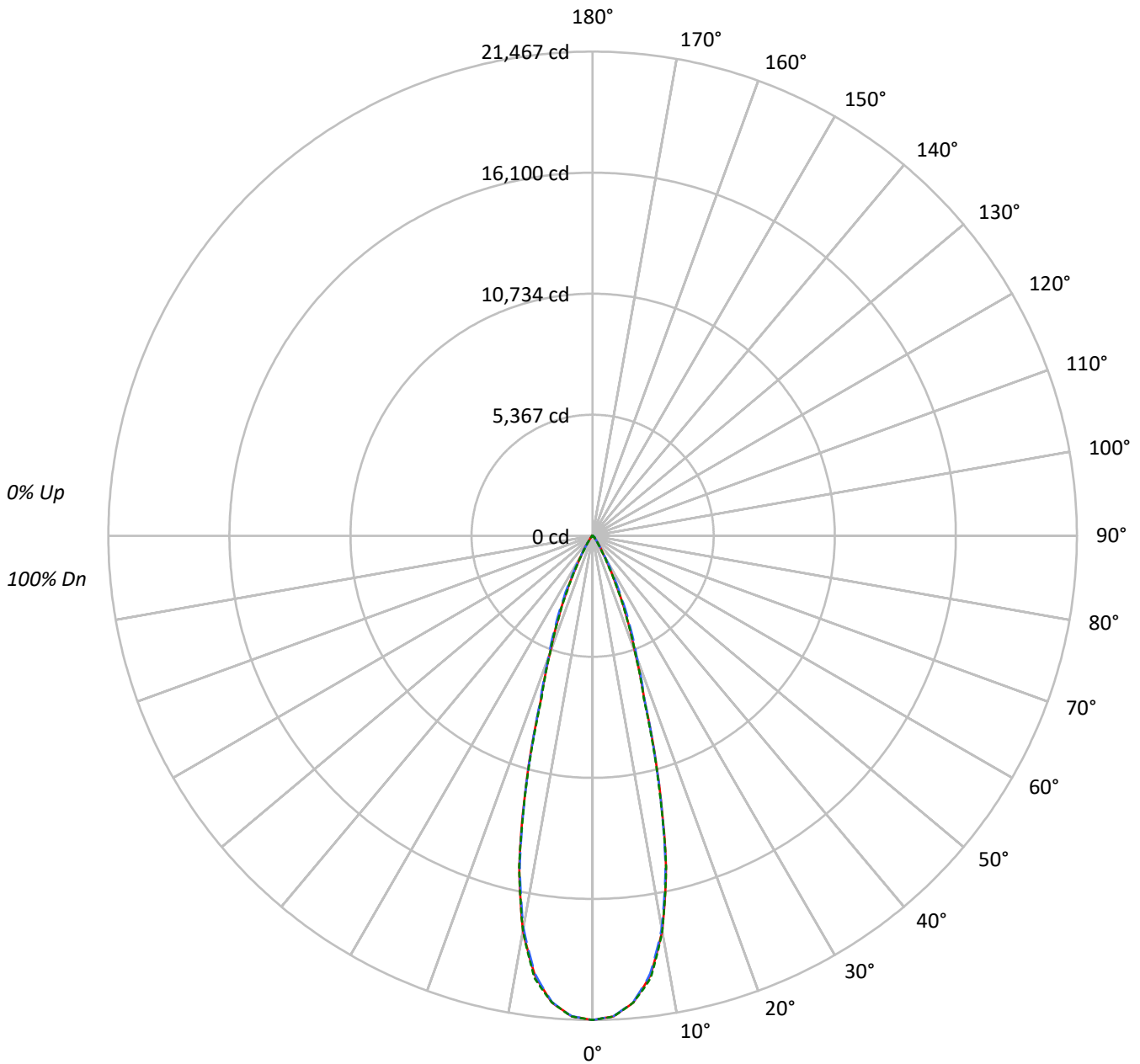


Downlight

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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°	1643180	1643180	1643180
5°	1596002	1594143	1596087
10°	1382379	1372633	1382053
15°	901934	897093	892584
20°	448487	465316	447893
25°	225921	254762	221292
30°	90453	98558	78813
35°	41956	40180	33686
40°	18116	20114	17056
45°	12773	15858	12892
50°	4394	11551	4644
55°	2536	4777	2669
60°	1776	2097	1776
65°	1141	1141	1141
70°	716	470	716
75°	0	325	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 15858 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1887.7	28.3
10°-20°	3040.2	45.5
20°-30°	1313.8	19.7
30°-40°	299.4	4.5
40°-50°	102.8	1.5
50°-60°	25.1	0.4
60°-70°	6.5	0.1
70°-80°	0.7	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°	6241.7	93.5
0°-40°	6541.1	98.0
0°-60°	6669.0	99.9
0°-90°	6676.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6676.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	21467	21467	21467	21467	21467	
5°	20772	20752	20747	20791	20773	1889
15°	11382	11245	11321	11284	11264	3048
25°	2675	2776	3016	2706	2620	1280
35°	449	458	430	427	360	305
45°	118	146	146	146	119	84
55°	19	20	36	21	20	18
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°	21467.3	21467.3	21467.3	21467.3	21467.3
2.5°	21325.0	21310.2	21318.7	21329.2	21333.4
5°	20771.6	20751.6	20747.4	20790.6	20772.7
7.5°	19655.5	19627.0	19583.8	19681.8	19773.5
10°	17785.7	17754.1	17660.3	17706.7	17781.5
12.5°	15025.4	14923.2	14921.1	15068.6	15048.6
15°	11381.8	11244.8	11320.7	11283.8	11263.8
17.5°	7653.9	7601.2	7702.4	7671.8	7540.1
20°	5505.9	5519.6	5712.5	5615.6	5498.6
22.5°	4017.7	4067.3	4296.0	4046.2	3954.5
25°	2675.0	2776.2	3016.5	2705.5	2620.2
27.5°	1645.2	1691.6	1935.1	1624.2	1577.8
30°	1023.4	1000.2	1115.1	957.0	891.7
32.5°	671.4	641.9	678.8	609.2	556.5
35°	449.0	458.5	430.0	426.9	360.5
37.5°	280.4	322.5	284.6	303.5	231.9
40°	181.3	234.0	201.3	222.4	170.7
42.5°	148.6	180.2	165.5	176.0	151.8
45°	118.0	146.5	146.5	146.5	119.1
47.5°	65.3	98.0	125.4	100.1	69.6
50°	36.9	49.5	97.0	51.6	39.0
52.5°	25.3	28.5	66.4	29.5	26.3
55°	19.0	20.0	35.8	21.1	20.0
57.5°	14.8	15.8	19.0	15.8	14.8
60°	11.6	11.6	13.7	12.6	11.6
62.5°	8.4	8.4	9.5	8.4	8.4
65°	6.3	6.3	6.3	6.3	6.3
67.5°	3.2	4.2	4.2	4.2	4.2
70°	3.2	2.1	2.1	2.1	3.2
72.5°	2.1	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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

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Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

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(END OF REPORT)