

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: P794097

Luminaire Tested: LER6D55D010-EC6DR6555659040-6LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P794097  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D55D010-EC6DR6555659040-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6336.7 lumens  
Efficiency: N/A  
Efficacy: 108.9 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92  
Luminous Opening: Circular (Dia: 0.35' 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

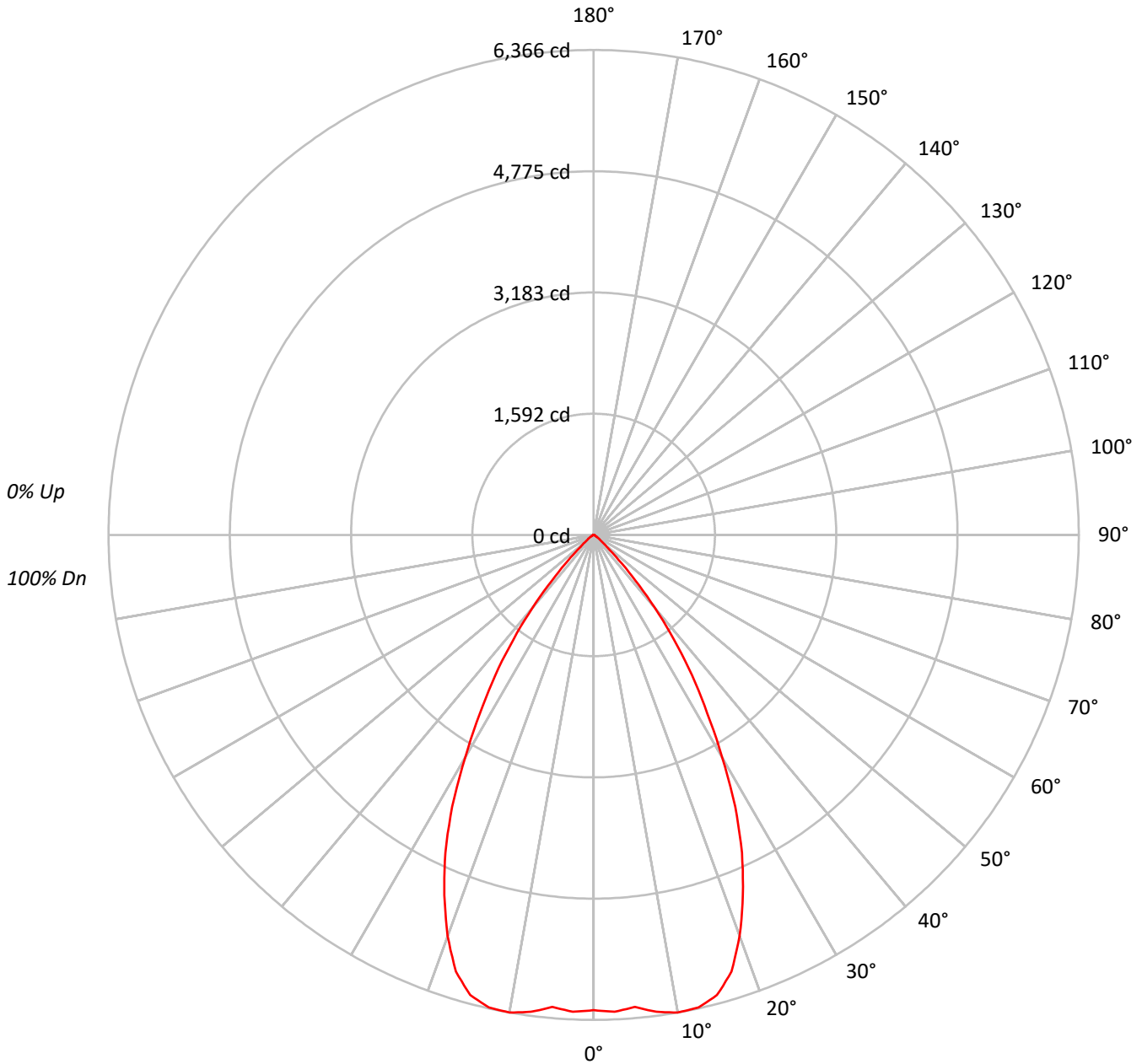


Downlight

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	681678
5°	682231
10°	706251
15°	707422
20°	651302
25°	554943
30°	424830
35°	300138
40°	177160
45°	71928
50°	26075
55°	14515
60°	8326
65°	4576
70°	4824
75°	3757
80°	3901
85°	3385

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 71928 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	600.8	9.5
10°-20°	1732.9	27.3
20°-30°	2079.2	32.8
30°-40°	1397.3	22.1
40°-50°	418.3	6.6
50°-60°	73.8	1.2
60°-70°	21.0	0.3
70°-80°	10.3	0.2
80°-90°	3.3	0.1
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°	4412.8	69.6
0°-40°	5810.1	91.7
0°-60°	6302.2	99.5
0°-90°	6336.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6336.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6239	
5°	6220	601
15°	6254	1733
25°	4603	2079
35°	2250	1397
45°	466	418
55°	76	74
65°	18	21
75°	9	10
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6239.0
2.5°	6265.6
5°	6220.3
7.5°	6314.3
10°	6365.7
12.5°	6353.3
15°	6254.0
17.5°	6011.1
20°	5601.5
22.5°	5119.2
25°	4603.2
27.5°	4020.7
30°	3367.3
32.5°	2775.0
35°	2250.2
37.5°	1731.5
40°	1242.1
42.5°	811.2
45°	465.5
47.5°	246.5
50°	153.4
52.5°	106.4
55°	76.2
57.5°	55.0
60°	38.1
62.5°	24.8
65°	17.7
67.5°	16.0
70°	15.1
72.5°	11.5
75°	8.9
77.5°	8.0
80°	6.2
82.5°	4.4
85°	2.7
87.5°	1.8
90°	0.0

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)