

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: P794023

Luminaire Tested: LER6D55D010-EC6DR6055659027-6LBDP1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P794023  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D55D010-EC6DR6055659027-6LBDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4991.1 lumens  
Efficiency: N/A  
Efficacy: 85.8 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

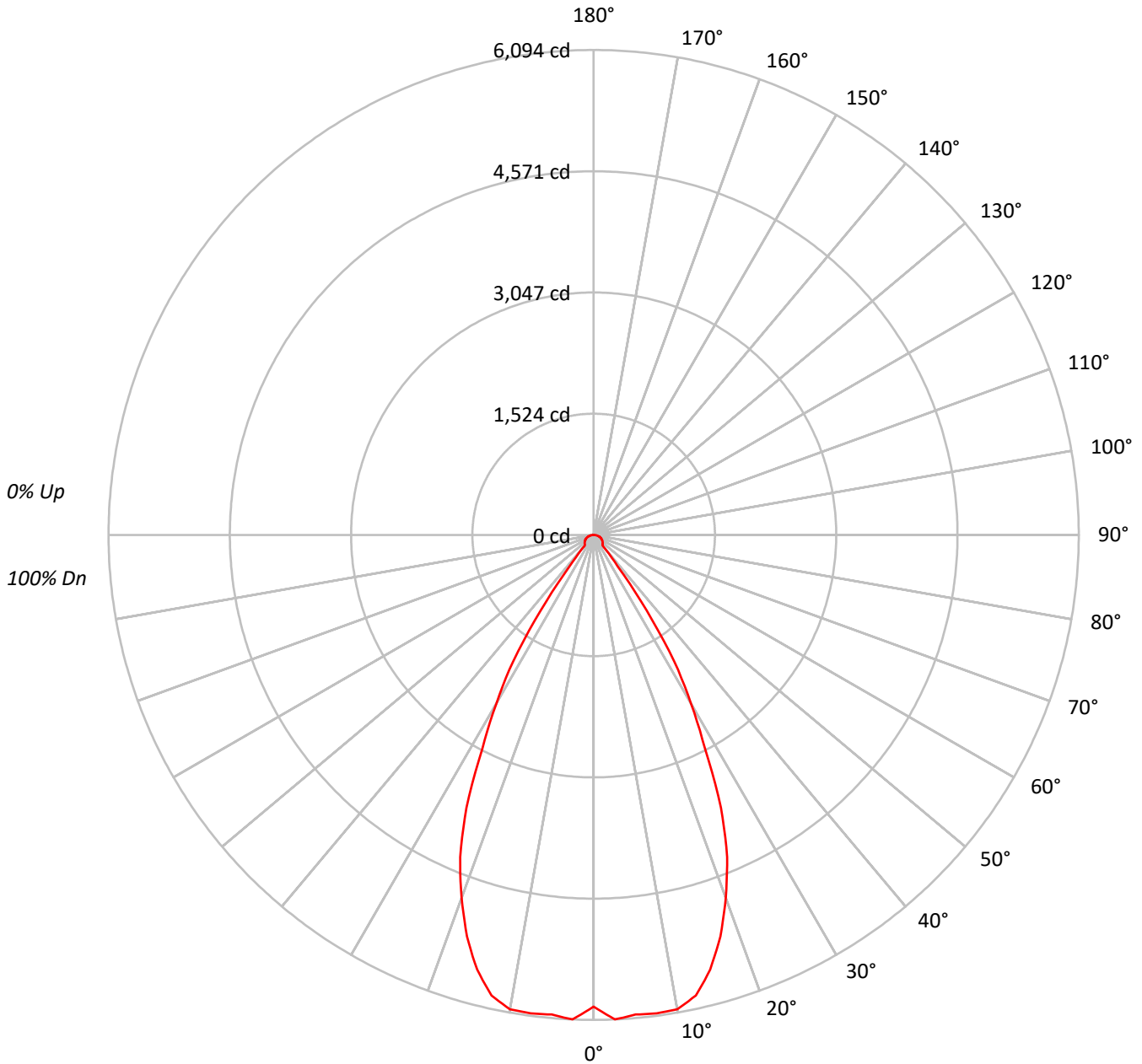
Input Watts (W): 58.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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			100																
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

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

	0°
0°	647643
5°	663564
10°	671580
15°	639779
20°	564086
25°	456244
30°	308608
35°	154644
40°	25089
45°	24553
50°	25038
55°	25430
60°	26135
65°	26732
70°	27346
75°	27693
80°	26678
85°	22189

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 27693 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	578.2	11.6
10°-20°	1564.5	31.3
20°-30°	1683.2	33.7
30°-40°	731.7	14.7
40°-50°	122.9	2.5
50°-60°	119.5	2.4
60°-70°	102.2	2.0
70°-80°	68.4	1.4
80°-90°	20.5	0.4
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°	3825.9	76.7
0°-40°	4557.6	91.3
0°-60°	4800.0	96.2
0°-90°	4991.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4991.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5928	
5°	6050	578
15°	5656	1564
25°	3784	1683
35°	1159	732
45°	159	123
55°	134	119
65°	103	102
75°	66	68
85°	18	20
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5927.5
2.5°	6094.1
5°	6050.1
7.5°	6064.0
10°	6053.2
12.5°	5928.3
15°	5656.0
17.5°	5290.3
20°	4851.4
22.5°	4381.6
25°	3784.5
27.5°	3027.0
30°	2446.1
32.5°	1885.3
35°	1159.4
37.5°	496.0
40°	175.9
42.5°	162.0
45°	158.9
47.5°	153.5
50°	147.3
52.5°	140.4
55°	133.5
57.5°	126.5
60°	119.6
62.5°	111.9
65°	103.4
67.5°	94.9
70°	85.6
72.5°	75.6
75°	65.6
77.5°	54.0
80°	42.4
82.5°	30.1
85°	17.7
87.5°	6.2
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)