

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: P794503

Luminaire Tested: LER6D60D010-EC6DR6055659027-6LBDP1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P794503  
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: LER6D60D010-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: 5488.4 lumens  
Efficiency: N/A  
Efficacy: 85.2 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

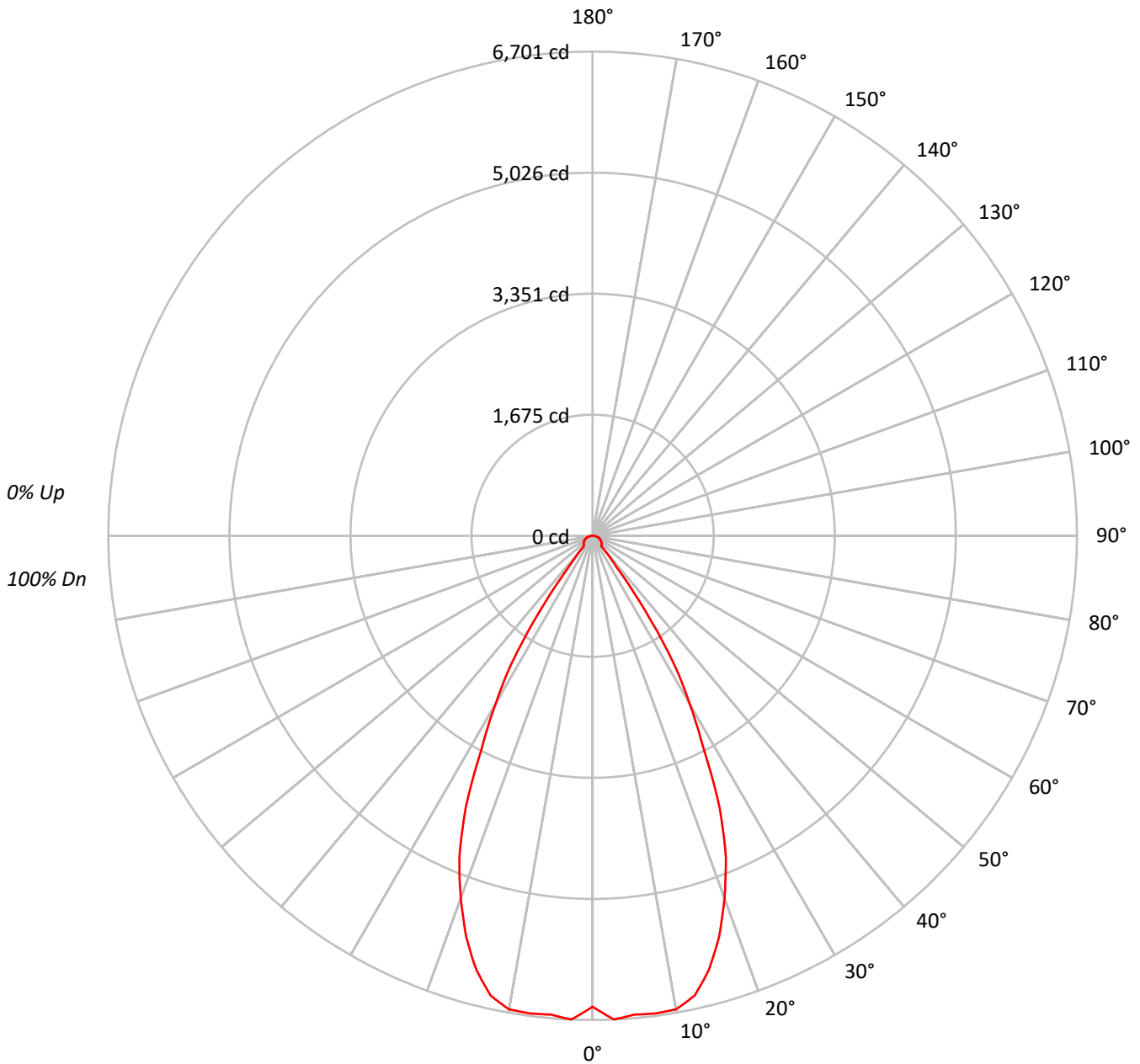
Input Watts (W): 64.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	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°	712173
5°	729688
10°	738503
15°	703519
20°	620292
25°	501705
30°	339367
35°	170063
40°	27585
45°	26994
50°	27537
55°	27964
60°	28736
65°	29395
70°	30093
75°	30437
80°	29384
85°	24446

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 30437 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	635.9	11.6
10°-20°	1720.4	31.3
20°-30°	1851.0	33.7
30°-40°	804.6	14.7
40°-50°	135.1	2.5
50°-60°	131.4	2.4
60°-70°	112.4	2.0
70°-80°	75.2	1.4
80°-90°	22.5	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°	4207.2	76.7
0°-40°	5011.8	91.3
0°-60°	5278.3	96.2
0°-90°	5488.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5488.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6518	
5°	6653	636
15°	6220	1720
25°	4162	1851
35°	1275	805
45°	175	135
55°	147	131
65°	114	112
75°	72	75
85°	20	23
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6518.1
2.5°	6701.3
5°	6653.0
7.5°	6668.3
10°	6656.4
12.5°	6519.0
15°	6219.5
17.5°	5817.4
20°	5334.8
22.5°	4818.2
25°	4161.6
27.5°	3328.6
30°	2689.9
32.5°	2073.2
35°	1275.0
37.5°	545.4
40°	193.4
42.5°	178.1
45°	174.7
47.5°	168.8
50°	162.0
52.5°	154.4
55°	146.8
57.5°	139.1
60°	131.5
62.5°	123.0
65°	113.7
67.5°	104.3
70°	94.2
72.5°	83.1
75°	72.1
77.5°	59.4
80°	46.7
82.5°	33.1
85°	19.5
87.5°	6.8
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)