

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: P769245

Luminaire Tested: LD6D60D010-EU6DR6055659050-6LBDP1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P769245  
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: LD6D60D010-EU6DR6055659050-6LBDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6023.6 lumens  
Efficiency: N/A  
Efficacy: 93.5 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

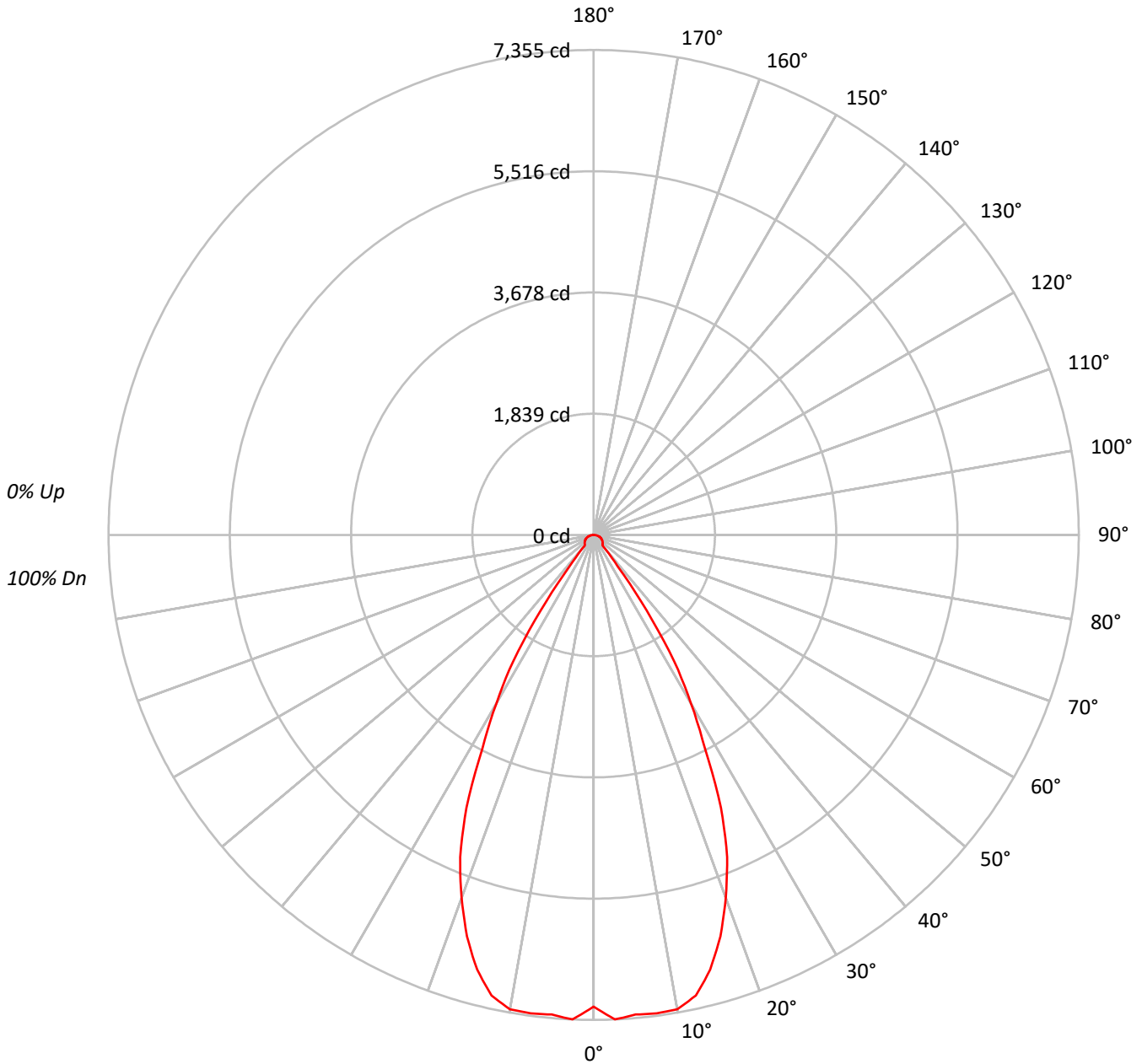
Input Watts (W): 64.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	781630
5°	800848
10°	810529
15°	772135
20°	680789
25°	550639
30°	372460
35°	186642
40°	30280
45°	29637
50°	30222
55°	30688
60°	31533
65°	32265
70°	33000
75°	33392
80°	32215
85°	26828

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 33392 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	697.9	11.6
10°-20°	1888.1	31.3
20°-30°	2031.5	33.7
30°-40°	883.0	14.7
40°-50°	148.3	2.5
50°-60°	144.2	2.4
60°-70°	123.3	2.0
70°-80°	82.5	1.4
80°-90°	24.7	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°	4617.5	76.7
0°-40°	5500.5	91.3
0°-60°	5793.1	96.2
0°-90°	6023.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6023.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7154	
5°	7302	698
15°	6826	1888
25°	4568	2031
35°	1399	883
45°	192	148
55°	161	144
65°	125	123
75°	79	83
85°	21	25
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7153.8
2.5°	7354.9
5°	7301.8
7.5°	7318.6
10°	7305.6
12.5°	7154.7
15°	6826.1
17.5°	6384.8
20°	5855.1
22.5°	5288.1
25°	4567.5
27.5°	3653.2
30°	2952.2
32.5°	2275.4
35°	1399.3
37.5°	598.6
40°	212.3
42.5°	195.5
45°	191.8
47.5°	185.3
50°	177.8
52.5°	169.4
55°	161.1
57.5°	152.7
60°	144.3
62.5°	135.0
65°	124.8
67.5°	114.5
70°	103.3
72.5°	91.2
75°	79.1
77.5°	65.2
80°	51.2
82.5°	36.3
85°	21.4
87.5°	7.4
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)