

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: P770025

Luminaire Tested: LD6D65D010-EU6DR6055659050-6LBDP1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P770025  
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: LD6D65D010-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: 6662.0 lumens  
Efficiency: N/A  
Efficacy: 91.5 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

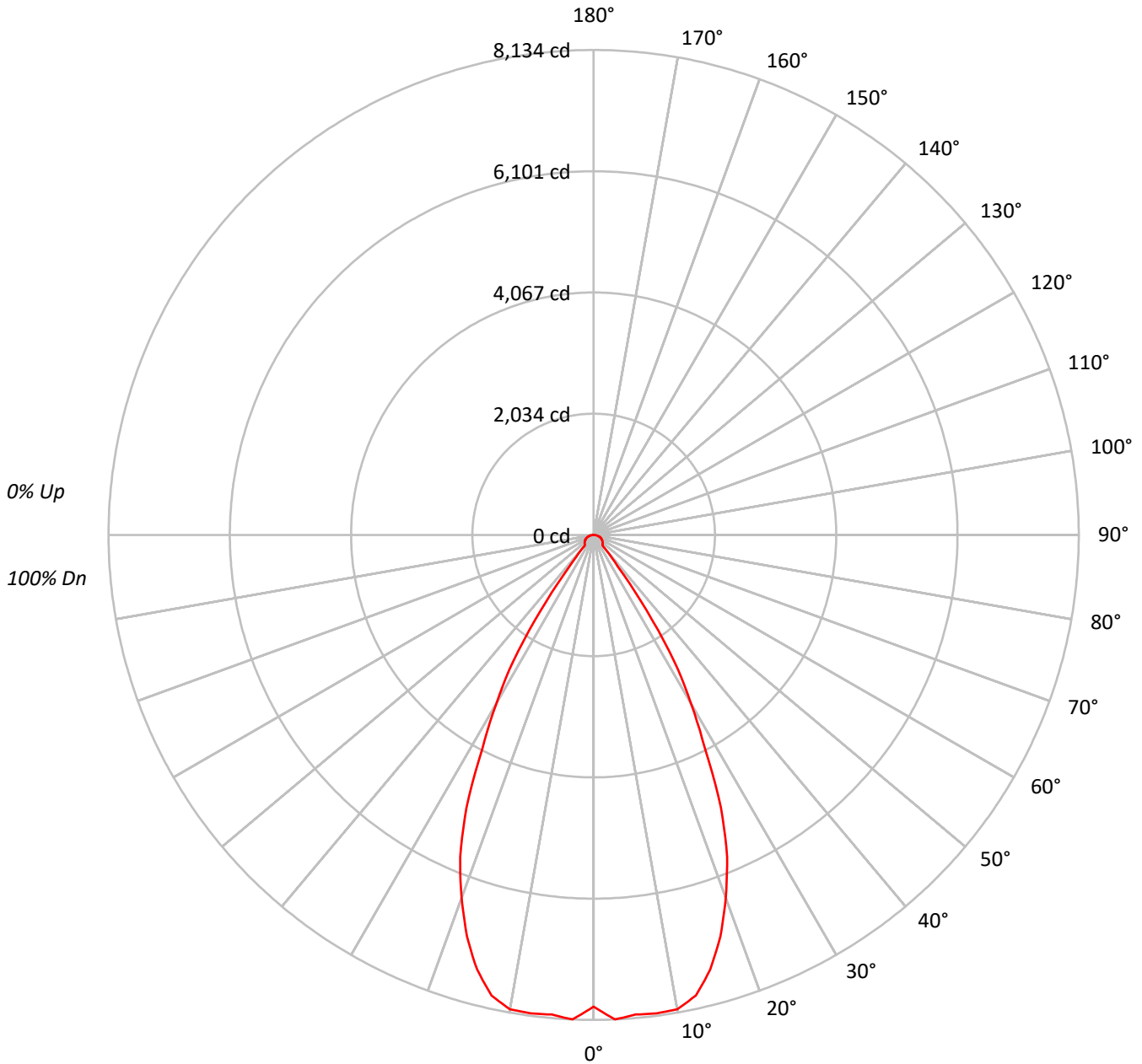
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	864471
5°	885728
10°	896424
15°	853962
20°	752937
25°	609000
30°	411936
35°	206423
40°	33489
45°	32773
50°	33435
55°	33926
60°	34876
65°	35678
70°	36514
75°	36938
80°	35613
85°	29711

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 36938 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	771.8	11.6
10°-20°	2088.2	31.3
20°-30°	2246.8	33.7
30°-40°	976.6	14.7
40°-50°	164.0	2.5
50°-60°	159.5	2.4
60°-70°	136.4	2.0
70°-80°	91.3	1.4
80°-90°	27.3	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°	5106.9	76.7
0°-40°	6083.5	91.3
0°-60°	6407.0	96.2
0°-90°	6662.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6662.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7912	
5°	8076	772
15°	7550	2088
25°	5052	2247
35°	1548	977
45°	212	164
55°	178	160
65°	138	136
75°	88	91
85°	24	27
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7912.0
2.5°	8134.4
5°	8075.7
7.5°	8094.2
10°	8079.8
12.5°	7913.0
15°	7549.5
17.5°	7061.5
20°	6475.6
22.5°	5848.5
25°	5051.6
27.5°	4040.4
30°	3265.1
32.5°	2516.5
35°	1547.6
37.5°	662.1
40°	234.8
42.5°	216.2
45°	212.1
47.5°	204.9
50°	196.7
52.5°	187.4
55°	178.1
57.5°	168.9
60°	159.6
62.5°	149.3
65°	138.0
67.5°	126.6
70°	114.3
72.5°	100.9
75°	87.5
77.5°	72.1
80°	56.6
82.5°	40.2
85°	23.7
87.5°	8.2
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)