

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: P767045

Luminaire Tested: LD6D45BD010-EU6DR7040509040-6LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P767045  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D45BD010-EU6DR7040509040-6LBCSSQMB  
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

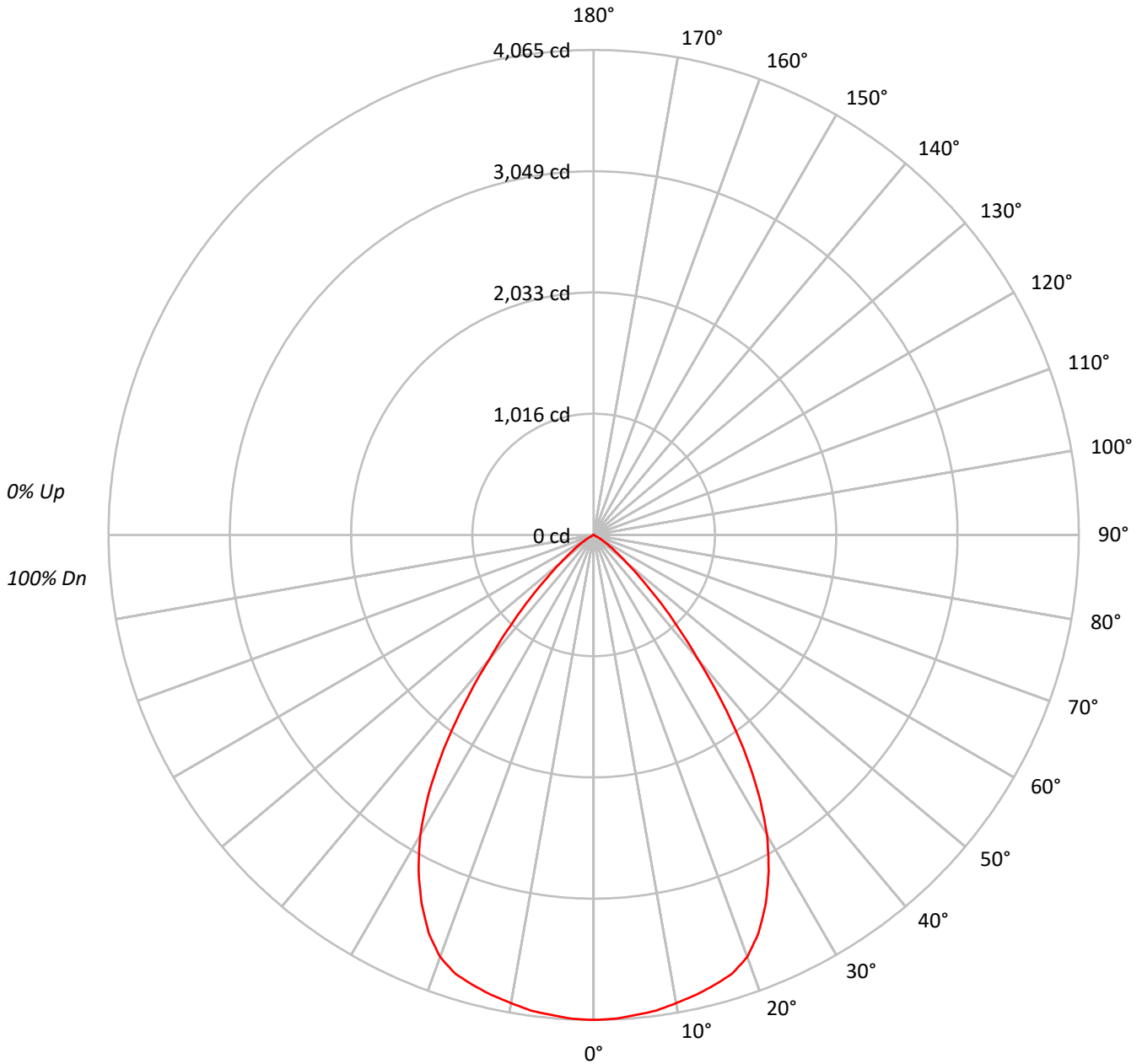
Lumens per Lamp: N/A  
Luminaire Lumens: 5149.8 lumens  
Efficiency: N/A  
Efficacy: 133.1 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 38.7  
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



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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	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93				93															
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85				85															
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78				78															
4	95	87	81	76	93	86	80	76	83	78	75	81	77	74	79	76	73	71				71															
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65				65															
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60				60															
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	61	57	56				56															
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51				51															
9	71	61	54	50	70	60	54	50	59	53	50	58	53	49	57	53	49	48				48															
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44				44															

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

	0°
0°	444112
5°	443001
10°	442043
15°	441918
20°	437593
25°	411072
30°	366467
35°	292188
40°	194019
45°	115997
50°	60139
55°	31602
60°	11188
65°	181
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 115997 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	384.1	7.5
10°-20°	1101.7	21.4
20°-30°	1554.1	30.2
30°-40°	1341.6	26.1
40°-50°	600.8	11.7
50°-60°	157.3	3.1
60°-70°	10.2	0.2
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	3039.9	59.0
0°-40°	4381.5	85.1
0°-60°	5139.6	99.8
0°-90°	5149.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5149.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4065	
5°	4039	384
15°	3907	1102
25°	3410	1554
35°	2191	1342
45°	751	601
55°	166	157
65°	1	10
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4064.7
2.5°	4060.3
5°	4039.1
7.5°	4021.6
10°	3984.3
12.5°	3950.7
15°	3906.8
17.5°	3856.4
20°	3763.5
22.5°	3610.8
25°	3409.8
27.5°	3176.6
30°	2904.7
32.5°	2572.1
35°	2190.6
37.5°	1769.6
40°	1360.3
42.5°	1033.5
45°	750.7
47.5°	517.5
50°	353.8
52.5°	244.1
55°	165.9
57.5°	100.1
60°	51.2
62.5°	16.1
65°	0.7
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)