

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: P793181

Luminaire Tested: LER6D45BD010-EC6DR7040509035-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P793181  
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: LER6D45BD010-EC6DR7040509035-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5528.6 lumens  
Efficiency: N/A  
Efficacy: 142.9 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

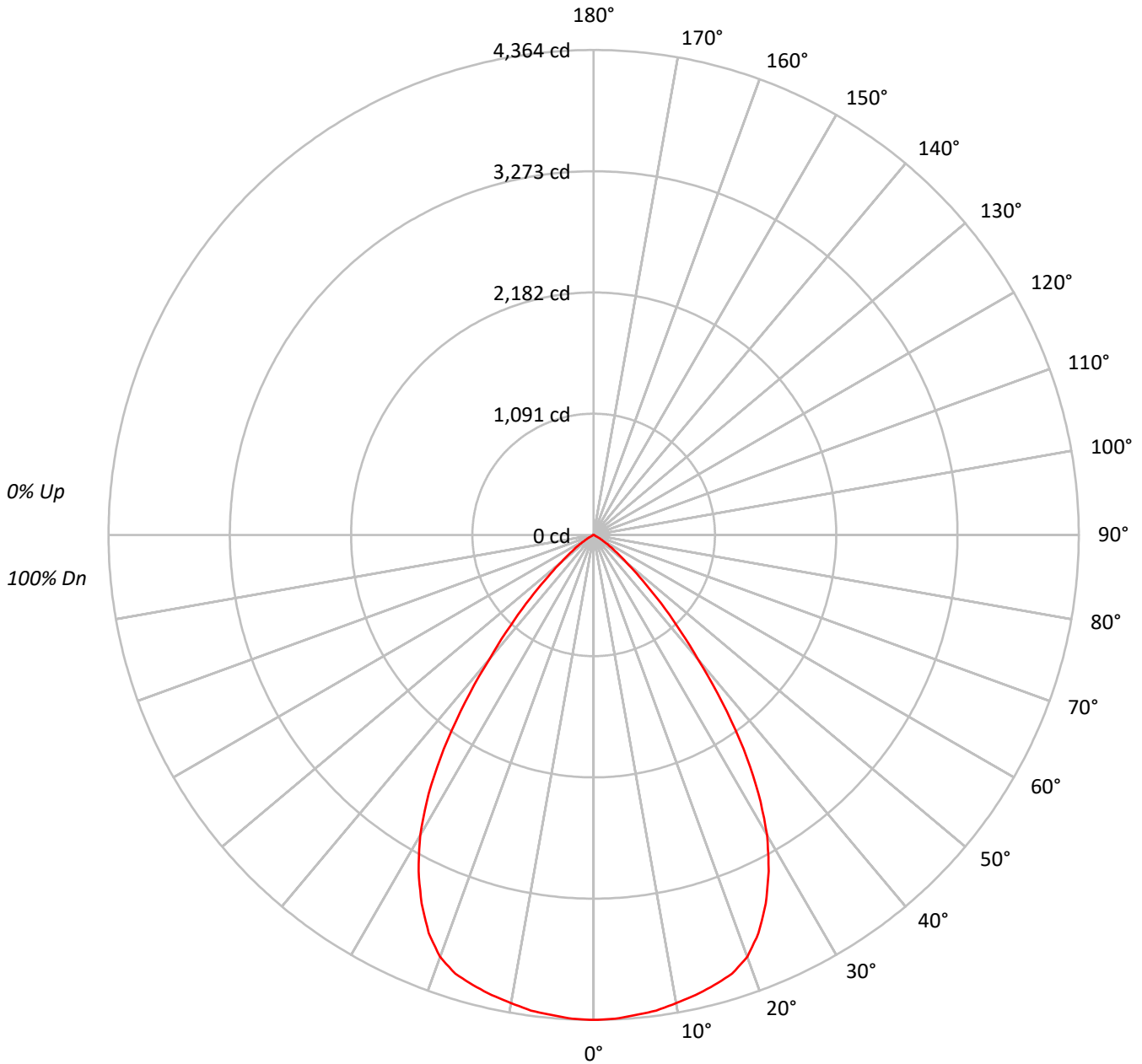
Input Watts (W): 38.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20			
RC	80				70				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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93		
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85		
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78		
4	95	87	81	76	93	86	80	76	83	78	75	81	77	74	79	76	73	71		
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65		
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60		
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	61	57	56		
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51		
9	71	61	54	50	70	60	54	50	59	53	50	58	53	49	57	53	49	48		
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44		

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

	0°
0°	476770
5°	475575
10°	474551
15°	474416
20°	469777
25°	441295
30°	393415
35°	313676
40°	208282
45°	124526
50°	64558
55°	33926
60°	11997
65°	207
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 124526 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	412.4	7.5
10°-20°	1182.7	21.4
20°-30°	1668.4	30.2
30°-40°	1440.3	26.1
40°-50°	645.0	11.7
50°-60°	168.9	3.1
60°-70°	11.0	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°	3263.4	59.0
0°-40°	4703.7	85.1
0°-60°	5517.6	99.8
0°-90°	5528.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5528.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4364	
5°	4336	412
15°	4194	1183
25°	3660	1668
35°	2352	1440
45°	806	645
55°	178	169
65°	1	11
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4363.6
2.5°	4358.9
5°	4336.1
7.5°	4317.3
10°	4277.3
12.5°	4241.2
15°	4194.1
17.5°	4140.0
20°	4040.3
22.5°	3876.3
25°	3660.5
27.5°	3410.2
30°	3118.3
32.5°	2761.3
35°	2351.7
37.5°	1899.7
40°	1460.3
42.5°	1109.5
45°	805.9
47.5°	555.6
50°	379.8
52.5°	262.1
55°	178.1
57.5°	107.5
60°	54.9
62.5°	17.3
65°	0.8
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)