

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: P793000

Luminaire Tested: LER6D45BD010-EC6DR5040509050-6LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P793000  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D45BD010-EC6DR5040509050-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 50° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5419.3 lumens  
Efficiency: N/A  
Efficacy: 140.0 lumens/watt  
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73  
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

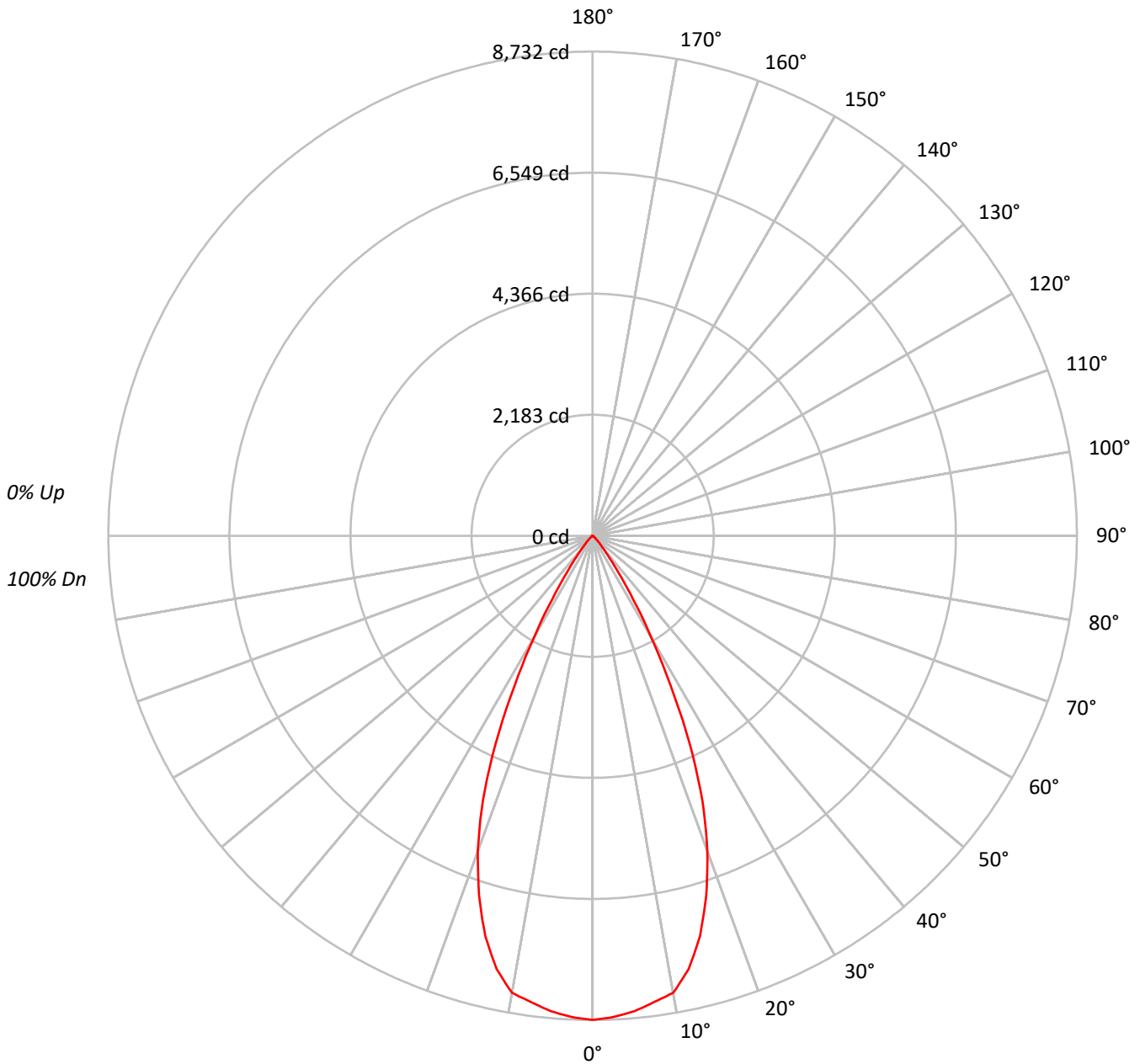


Downlight

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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	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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95					95			
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90					90			
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85					85			
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80					80			
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76					76			
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72					72			
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69					69			
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65					65			
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62					62			
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59					59			

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

	0°
0°	954043
5°	944043
10°	928498
15°	845467
20°	703532
25°	499403
30°	264338
35°	107720
40°	40008
45°	18310
50°	7513
55°	3924
60°	1923
65°	569
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 18310 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	813.6	15.0
10°-20°	2056.1	37.9
20°-30°	1846.9	34.1
30°-40°	578.3	10.7
40°-50°	101.2	1.9
50°-60°	20.2	0.4
60°-70°	3.0	0.1
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°	4716.5	87.0
0°-40°	5294.8	97.7
0°-60°	5416.2	99.9
0°-90°	5419.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5419.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8732	
5°	8607	814
15°	7474	2056
25°	4142	1847
35°	808	578
45°	118	101
55°	21	20
65°	2	3
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8731.8
2.5°	8688.4
5°	8607.4
7.5°	8483.7
10°	8368.9
12.5°	8000.8
15°	7474.4
17.5°	6806.0
20°	6050.7
22.5°	5176.8
25°	4142.5
27.5°	3045.6
30°	2095.2
32.5°	1364.1
35°	807.6
37.5°	463.8
40°	280.5
42.5°	182.6
45°	118.5
47.5°	72.1
50°	44.2
52.5°	30.2
55°	20.6
57.5°	14.0
60°	8.8
62.5°	5.2
65°	2.2
67.5°	0.7
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)