

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: P793098

Luminaire Tested: LER6D45BD010-EC6DR6040509050-6LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P793098  
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: LER6D45BD010-EC6DR6040509050-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4744.5 lumens  
Efficiency: N/A  
Efficacy: 122.6 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): 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

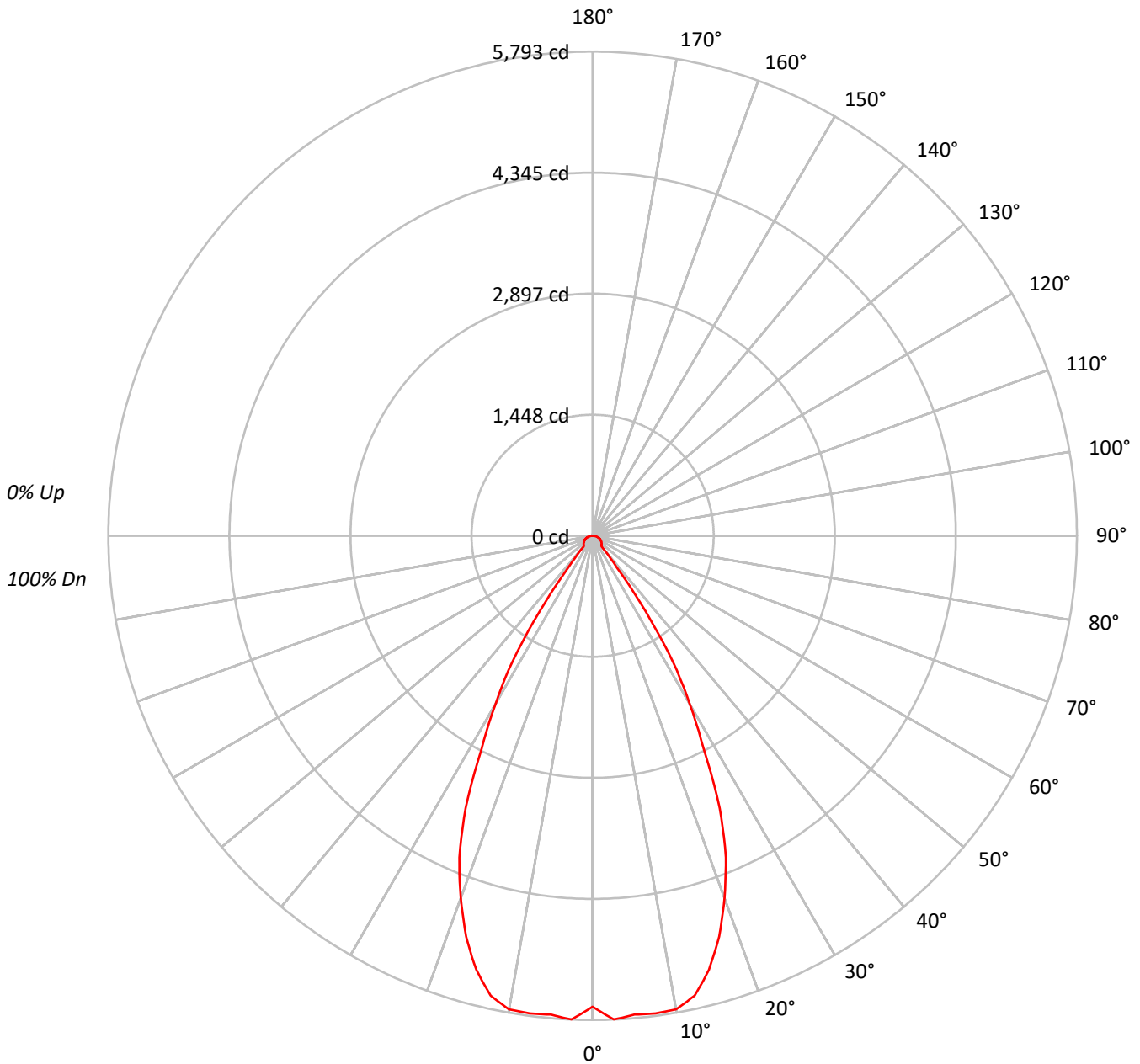


Downlight

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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
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°	615641
5°	630781
10°	638396
15°	608163
20°	536216
25°	433700
30°	293368
35°	147001
40°	23848
45°	23348
50°	23814
55°	24173
60°	24846
65°	25414
70°	26004
75°	26300
80°	25357
85°	21186

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 26300 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	549.7	11.6
10°-20°	1487.2	31.3
20°-30°	1600.1	33.7
30°-40°	695.5	14.7
40°-50°	116.8	2.5
50°-60°	113.6	2.4
60°-70°	97.2	2.0
70°-80°	65.0	1.4
80°-90°	19.5	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°	3636.9	76.7
0°-40°	4332.4	91.3
0°-60°	4562.9	96.2
0°-90°	4744.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4744.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5635	
5°	5751	550
15°	5376	1487
25°	3598	1600
35°	1102	696
45°	151	117
55°	127	114
65°	98	97
75°	62	65
85°	17	19
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5634.6
2.5°	5793.0
5°	5751.2
7.5°	5764.4
10°	5754.1
12.5°	5635.3
15°	5376.5
17.5°	5028.9
20°	4611.7
22.5°	4165.1
25°	3597.5
27.5°	2877.4
30°	2325.3
32.5°	1792.2
35°	1102.1
37.5°	471.5
40°	167.2
42.5°	154.0
45°	151.1
47.5°	145.9
50°	140.1
52.5°	133.5
55°	126.9
57.5°	120.3
60°	113.7
62.5°	106.3
65°	98.3
67.5°	90.2
70°	81.4
72.5°	71.9
75°	62.3
77.5°	51.3
80°	40.3
82.5°	28.6
85°	16.9
87.5°	5.9
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)