

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: P792601

Luminaire Tested: LER6D40BD010-EC6DR6040509035-6LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P792601  
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: LER6D40BD010-EC6DR6040509035-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4763.5 lumens  
Efficiency: N/A  
Efficacy: 135.3 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): 35.2  
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

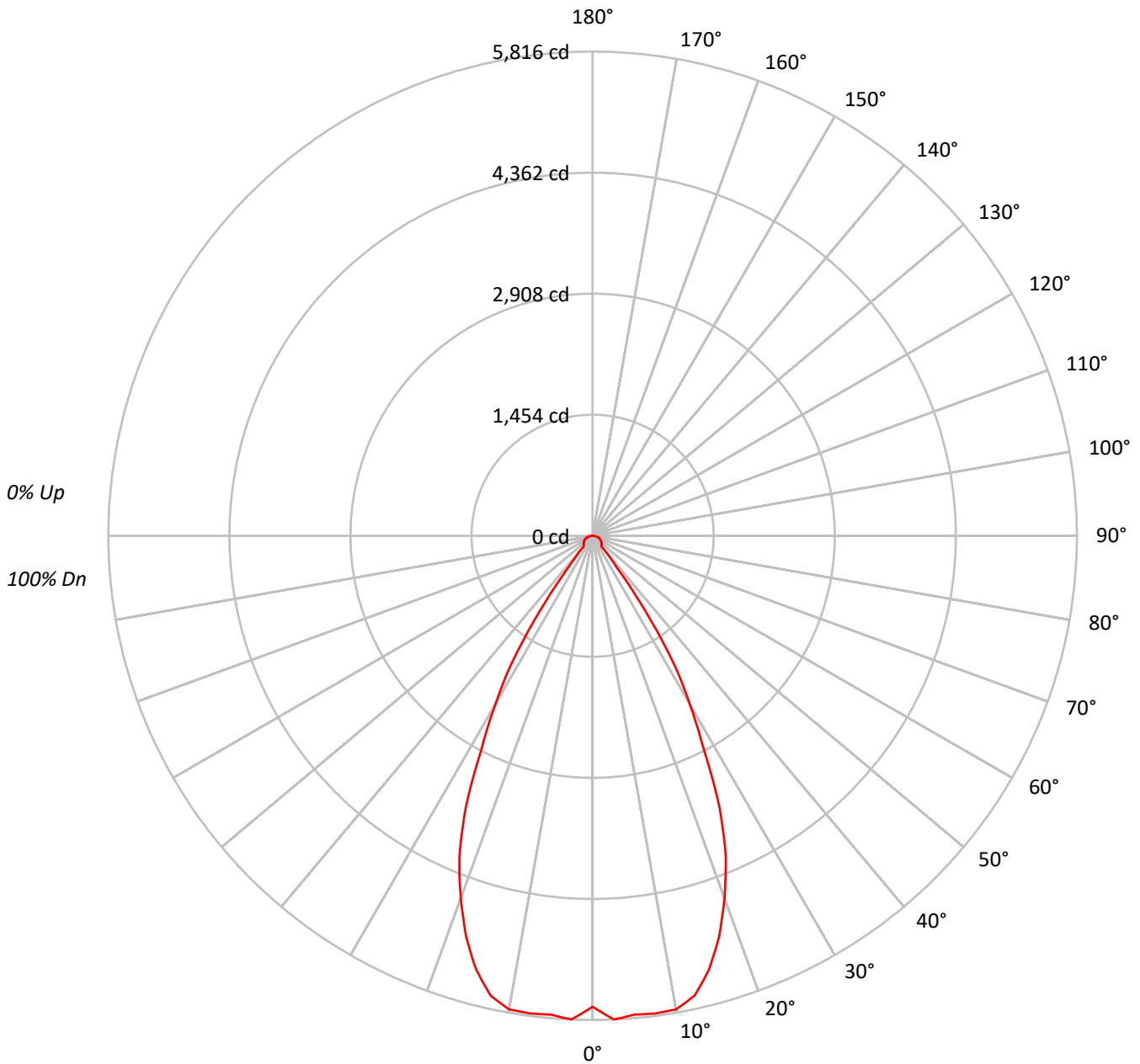


Downlight

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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

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

	0°
0°	618121
5°	633314
10°	640970
15°	610606
20°	538367
25°	435448
30°	294541
35°	147601
40°	23948
45°	23440
50°	23899
55°	24268
60°	24933
65°	25517
70°	26100
75°	26427
80°	25483
85°	21186

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 26427 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	551.9	11.6
10°-20°	1493.1	31.3
20°-30°	1606.5	33.7
30°-40°	698.3	14.7
40°-50°	117.3	2.5
50°-60°	114.0	2.4
60°-70°	97.6	2.0
70°-80°	65.3	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°	3651.5	76.7
0°-40°	4349.9	91.3
0°-60°	4581.2	96.2
0°-90°	4763.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4763.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5657	
5°	5774	552
15°	5398	1493
25°	3612	1607
35°	1107	698
45°	152	117
55°	127	114
65°	99	98
75°	63	65
85°	17	20
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5657.3
2.5°	5816.3
5°	5774.3
7.5°	5787.6
10°	5777.3
12.5°	5658.0
15°	5398.1
17.5°	5049.1
20°	4630.2
22.5°	4181.9
25°	3612.0
27.5°	2889.0
30°	2334.6
32.5°	1799.4
35°	1106.6
37.5°	473.4
40°	167.9
42.5°	154.6
45°	151.7
47.5°	146.5
50°	140.6
52.5°	134.0
55°	127.4
57.5°	120.7
60°	114.1
62.5°	106.8
65°	98.7
67.5°	90.6
70°	81.7
72.5°	72.2
75°	62.6
77.5°	51.5
80°	40.5
82.5°	28.7
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)