

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P792617

Luminaire Tested: LER6D40BD010-EC6DR6040509050-6LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P792617  
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-EC6DR6040509050-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5021.9 lumens  
Efficiency: N/A  
Efficacy: 142.7 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

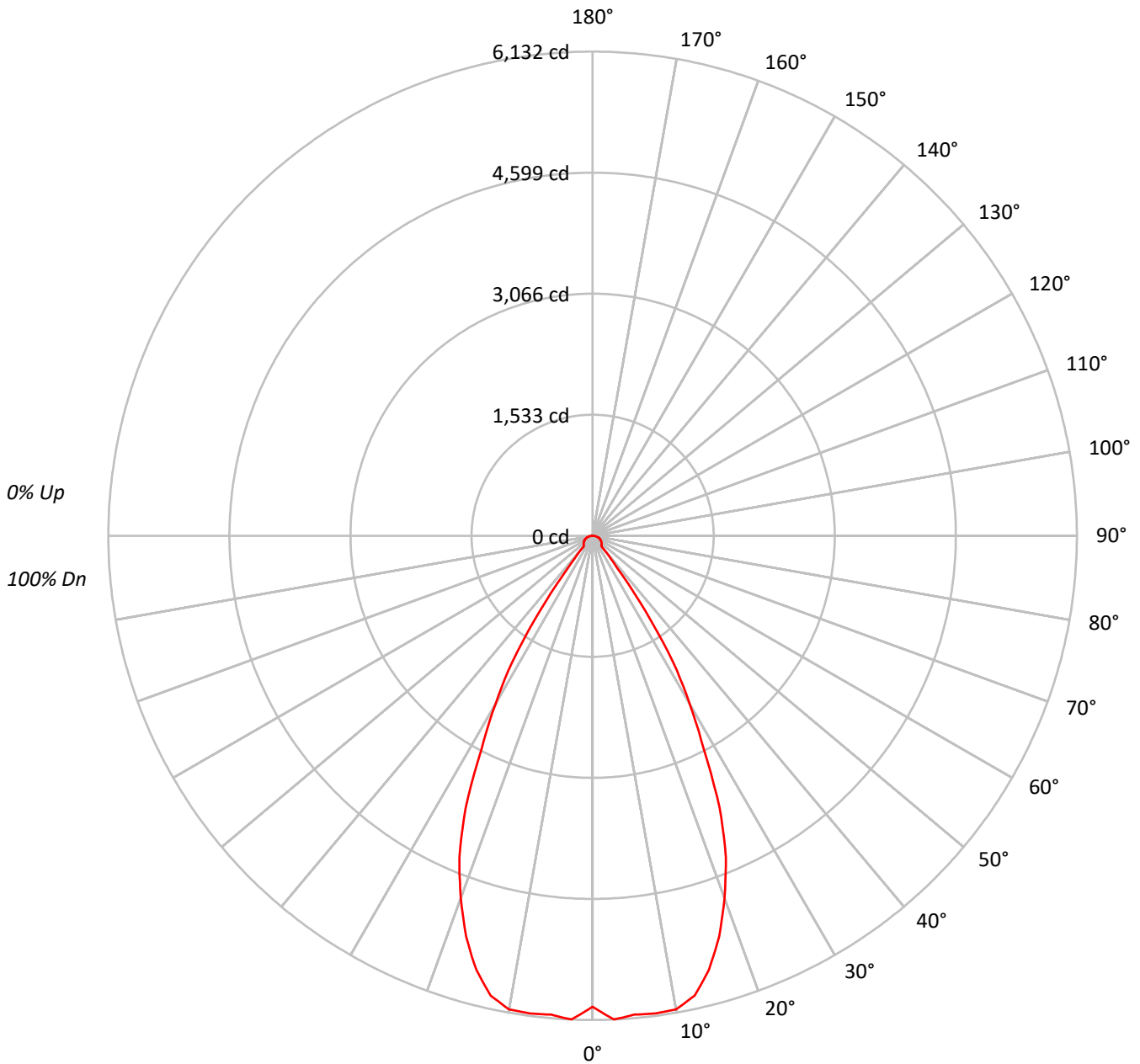


Downlight

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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°	651642
5°	667666
10°	675729
15°	643726
20°	567563
25°	459065
30°	310513
35°	155604
40°	25245
45°	24707
50°	25191
55°	25583
60°	26288
65°	26887
70°	27537
75°	27862
80°	26867
85°	22440

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 27862 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	581.8	11.6
10°-20°	1574.1	31.3
20°-30°	1693.6	33.7
30°-40°	736.2	14.7
40°-50°	123.7	2.5
50°-60°	120.2	2.4
60°-70°	102.8	2.0
70°-80°	68.8	1.4
80°-90°	20.6	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°	3849.6	76.7
0°-40°	4585.8	91.3
0°-60°	4829.7	96.2
0°-90°	5021.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5021.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5964	
5°	6088	582
15°	5691	1574
25°	3808	1694
35°	1167	736
45°	160	124
55°	134	120
65°	104	103
75°	66	69
85°	18	21
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5964.1
2.5°	6131.7
5°	6087.5
7.5°	6101.5
10°	6090.6
12.5°	5964.8
15°	5690.9
17.5°	5323.0
20°	4881.3
22.5°	4408.6
25°	3807.9
27.5°	3045.7
30°	2461.2
32.5°	1897.0
35°	1166.6
37.5°	499.1
40°	177.0
42.5°	163.0
45°	159.9
47.5°	154.5
50°	148.2
52.5°	141.3
55°	134.3
57.5°	127.3
60°	120.3
62.5°	112.5
65°	104.0
67.5°	95.5
70°	86.2
72.5°	76.1
75°	66.0
77.5°	54.3
80°	42.7
82.5°	30.3
85°	17.9
87.5°	6.2
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)