

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: P792583

Luminaire Tested: LER6D40BD010-EC6DR6040509027-6LBDP1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P792583  
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-EC6DR6040509027-6LBDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3431.6 lumens  
Efficiency: N/A  
Efficacy: 97.5 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

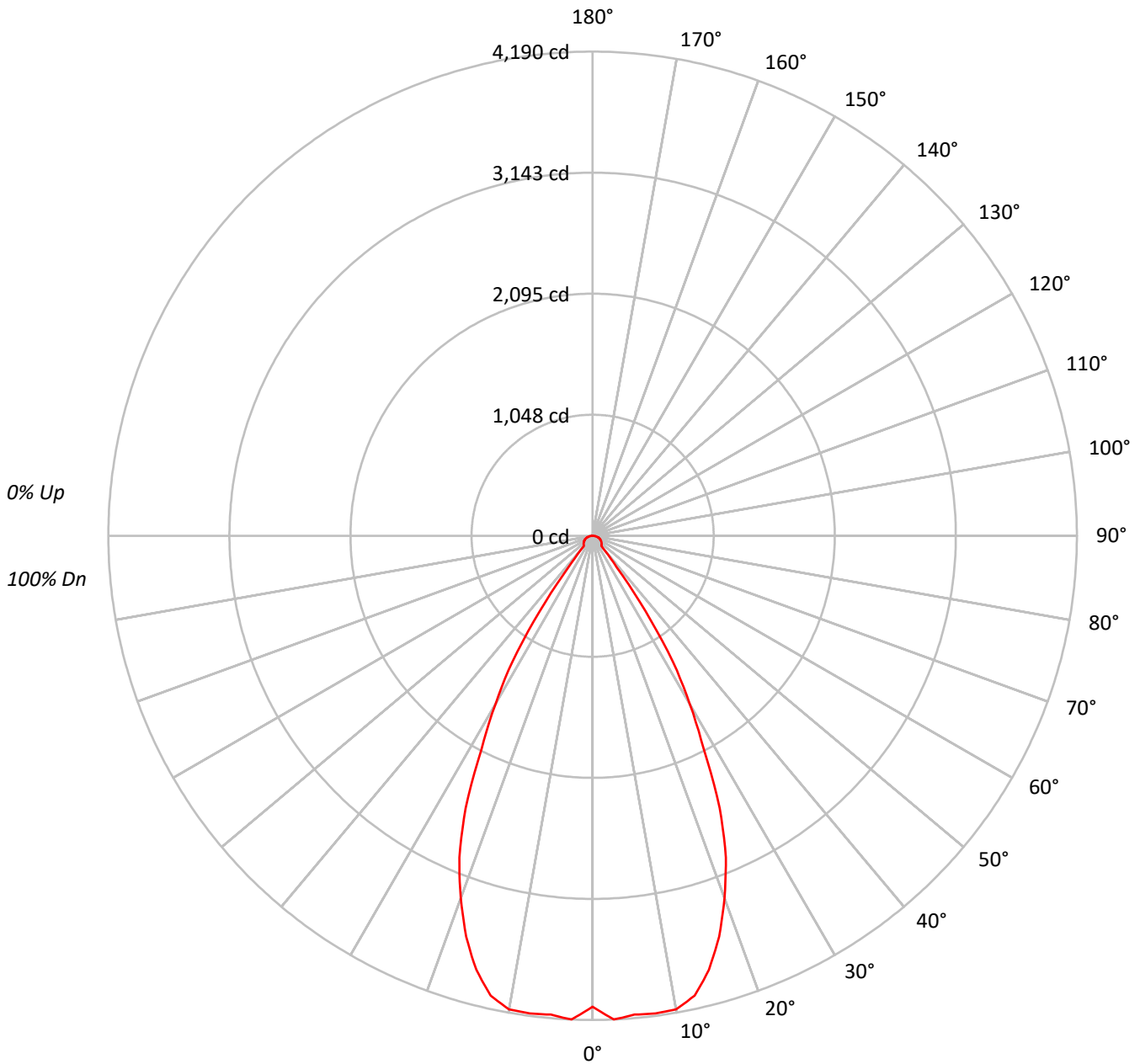


Downlight

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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
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°	445281
5°	456239
10°	461747
15°	439871
20°	387840
25°	313686
30°	212182
35°	106333
40°	17244
45°	16889
50°	17219
55°	17487
60°	17962
65°	18382
70°	18816
75°	19039
80°	18373
85°	15294

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 19039 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	397.6	11.6
10°-20°	1075.6	31.3
20°-30°	1157.3	33.7
30°-40°	503.0	14.7
40°-50°	84.5	2.5
50°-60°	82.2	2.4
60°-70°	70.3	2.0
70°-80°	47.0	1.4
80°-90°	14.1	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°	2630.5	76.7
0°-40°	3133.6	91.3
0°-60°	3300.2	96.2
0°-90°	3431.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3431.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4075	
5°	4160	398
15°	3889	1076
25°	2602	1157
35°	797	503
45°	109	84
55°	92	82
65°	71	70
75°	45	47
85°	12	14
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4075.4
2.5°	4190.0
5°	4159.8
7.5°	4169.3
10°	4161.9
12.5°	4076.0
15°	3888.7
17.5°	3637.3
20°	3335.6
22.5°	3012.6
25°	2602.0
27.5°	2081.2
30°	1681.8
32.5°	1296.2
35°	797.2
37.5°	341.0
40°	120.9
42.5°	111.4
45°	109.3
47.5°	105.5
50°	101.3
52.5°	96.5
55°	91.8
57.5°	87.0
60°	82.2
62.5°	76.9
65°	71.1
67.5°	65.2
70°	58.9
72.5°	52.0
75°	45.1
77.5°	37.1
80°	29.2
82.5°	20.7
85°	12.2
87.5°	4.2
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)