

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: P792680

Luminaire Tested: LER6D40BD010-EC6DR7040509027-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792680
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D40BD010-EC6DR7040509027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4386.3 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 35.2
Input Voltage (V): NR
Input Current (A_{in}): 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

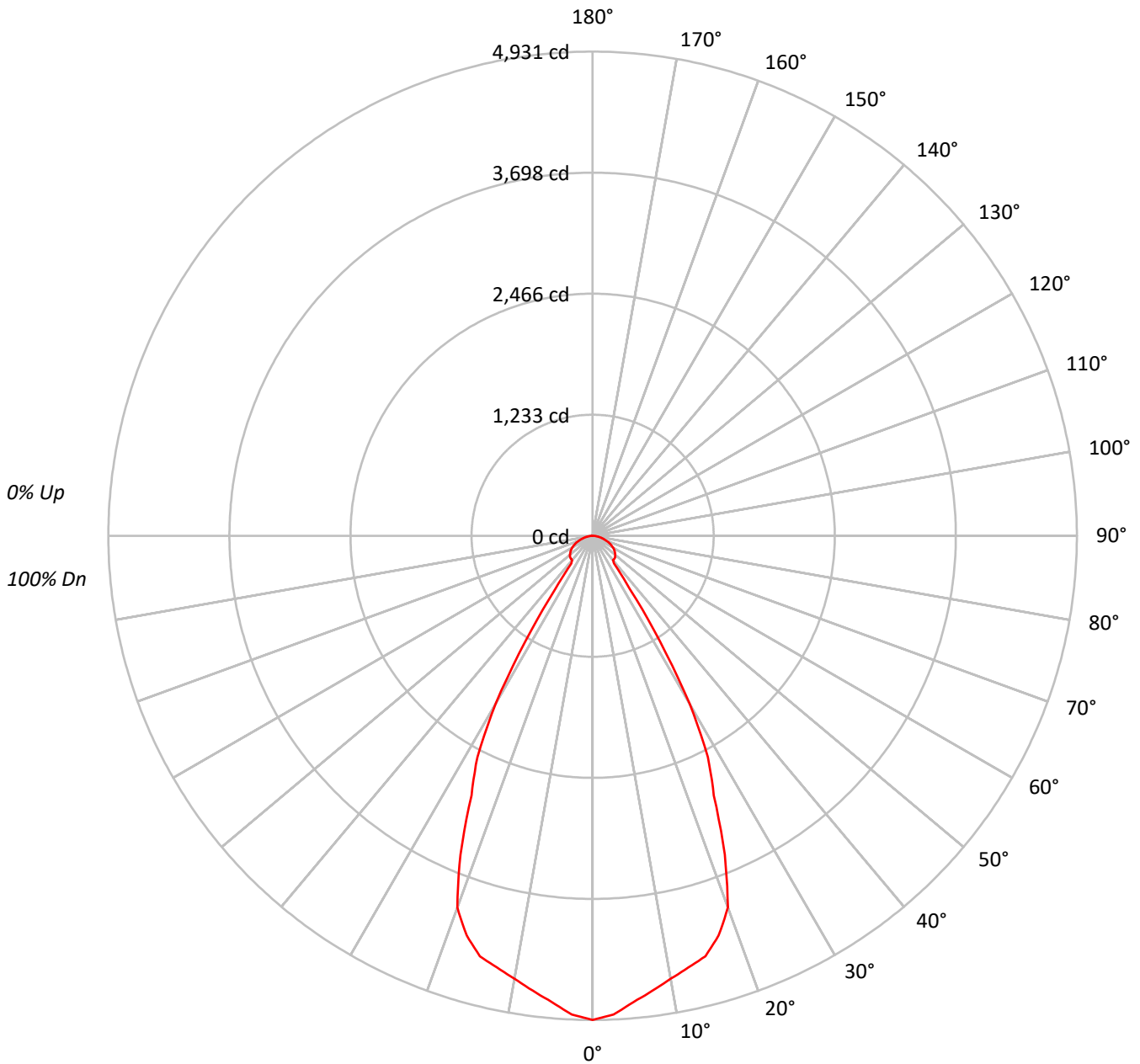


Downlight

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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83	80	78	76
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78	75	72	70
5	89	80	74	69	87	79	73	69	77	72	68		75	71	67		74	70	67	65
6	85	75	68	64	83	74	68	64	73	67	63		71	66	63		70	66	62	61
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66	62	58	57
8	77	66	60	56	75	66	60	56	65	59	55		64	59	55		63	58	55	53
9	73	63	57	52	72	62	56	52	61	56	52		60	55	52		60	55	52	50
10	70	59	53	49	69	59	53	49	58	53	49		57	52	49		57	52	49	48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	538808
5°	522803
10°	508234
15°	501563
20°	468359
25°	351854
30°	248731
35°	88099
40°	46326
45°	49338
50°	51096
55°	52061
60°	52380
65°	51267
70°	48398
75°	44832
80°	39766
85°	32344

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 52404 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	449.6	10.3
10°-20°	1233.2	28.1
20°-30°	1358.2	31.0
30°-40°	518.9	11.8
40°-50°	245.0	5.6
50°-60°	243.6	5.6
60°-70°	195.0	4.4
70°-80°	112.1	2.6
80°-90°	30.5	0.7
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°	3041.1	69.3
0°-40°	3560.0	81.2
0°-60°	4048.7	92.3
0°-90°	4386.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4386.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4931	
5°	4767	450
15°	4434	1233
25°	2919	1358
35°	660	519
45°	319	245
55°	273	244
65°	198	195
75°	106	112
85°	26	30
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4931.4
2.5°	4879.9
5°	4766.7
7.5°	4672.2
10°	4580.9
12.5°	4503.6
15°	4434.1
17.5°	4266.2
20°	4028.1
22.5°	3514.3
25°	2918.6
27.5°	2540.7
30°	1971.5
32.5°	1273.5
35°	660.5
37.5°	356.8
40°	324.8
42.5°	322.5
45°	319.3
47.5°	312.3
50°	300.6
52.5°	287.3
55°	273.3
57.5°	257.7
60°	239.7
62.5°	219.4
65°	198.3
67.5°	174.9
70°	151.5
72.5°	128.0
75°	106.2
77.5°	83.5
80°	63.2
82.5°	44.5
85°	25.8
87.5°	10.2
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)