

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: P791665

Luminaire Tested: LER6D30D010-EC6DR6520359024-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P791665
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D30D010-EC6DR6520359024-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4464.9 lumens
Efficiency: N/A
Efficacy: 154.0 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 29
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

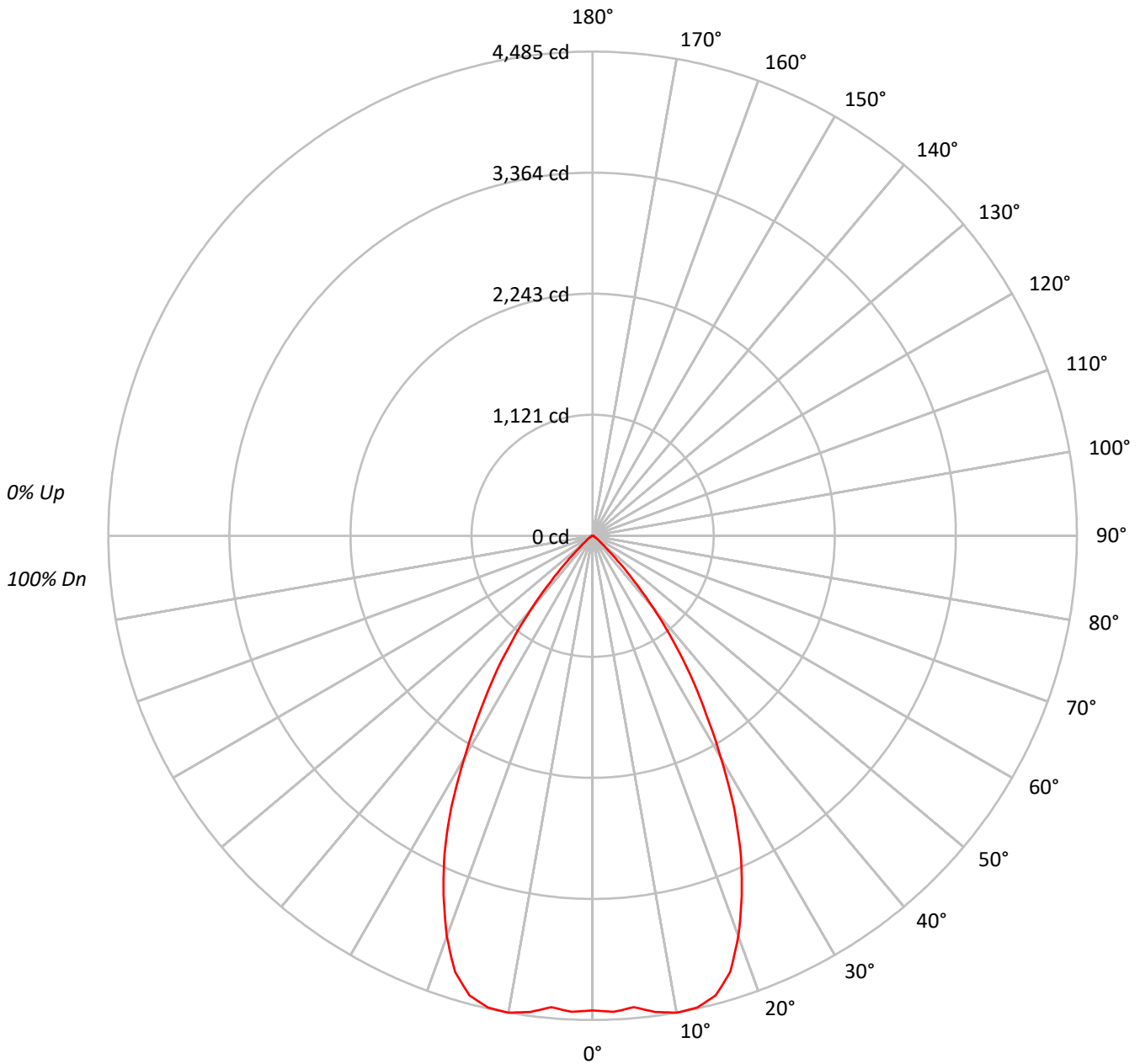


Downlight

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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	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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93				
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87				
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80				
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75				
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69				
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65				
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60				
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57				
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53				
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	480321
5°	480708
10°	497638
15°	498464
20°	458917
25°	391023
30°	299335
35°	211478
40°	124830
45°	50682
50°	18375
55°	10229
60°	5878
65°	3232
70°	3386
75°	2617
80°	2769
85°	2382

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 50682 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	423.3	9.5
10°-20°	1221.0	27.3
20°-30°	1465.0	32.8
30°-40°	984.5	22.1
40°-50°	294.7	6.6
50°-60°	52.0	1.2
60°-70°	14.8	0.3
70°-80°	7.2	0.2
80°-90°	2.3	0.1
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°	3109.4	69.6
0°-40°	4093.9	91.7
0°-60°	4440.6	99.5
0°-90°	4464.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4464.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4396	
5°	4383	423
15°	4407	1221
25°	3244	1465
35°	1586	985
45°	328	295
55°	54	52
65°	12	15
75°	6	7
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4396.1
2.5°	4414.8
5°	4382.9
7.5°	4449.2
10°	4485.4
12.5°	4476.6
15°	4406.7
17.5°	4235.5
20°	3946.9
22.5°	3607.1
25°	3243.5
27.5°	2833.0
30°	2372.6
32.5°	1955.3
35°	1585.5
37.5°	1220.1
40°	875.2
42.5°	571.6
45°	328.0
47.5°	173.7
50°	108.1
52.5°	75.0
55°	53.7
57.5°	38.7
60°	26.9
62.5°	17.5
65°	12.5
67.5°	11.2
70°	10.6
72.5°	8.1
75°	6.2
77.5°	5.6
80°	4.4
82.5°	3.1
85°	1.9
87.5°	1.2
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)