

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: P791669

Luminaire Tested: LER6D30D010-EC6DR6520359024-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791669
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D30D010-EC6DR6520359024-6LBS1LI
Description: 6 INCH ROUND SHALLOW 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: 4699.9 lumens
Efficiency: N/A
Efficacy: 162.1 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' 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

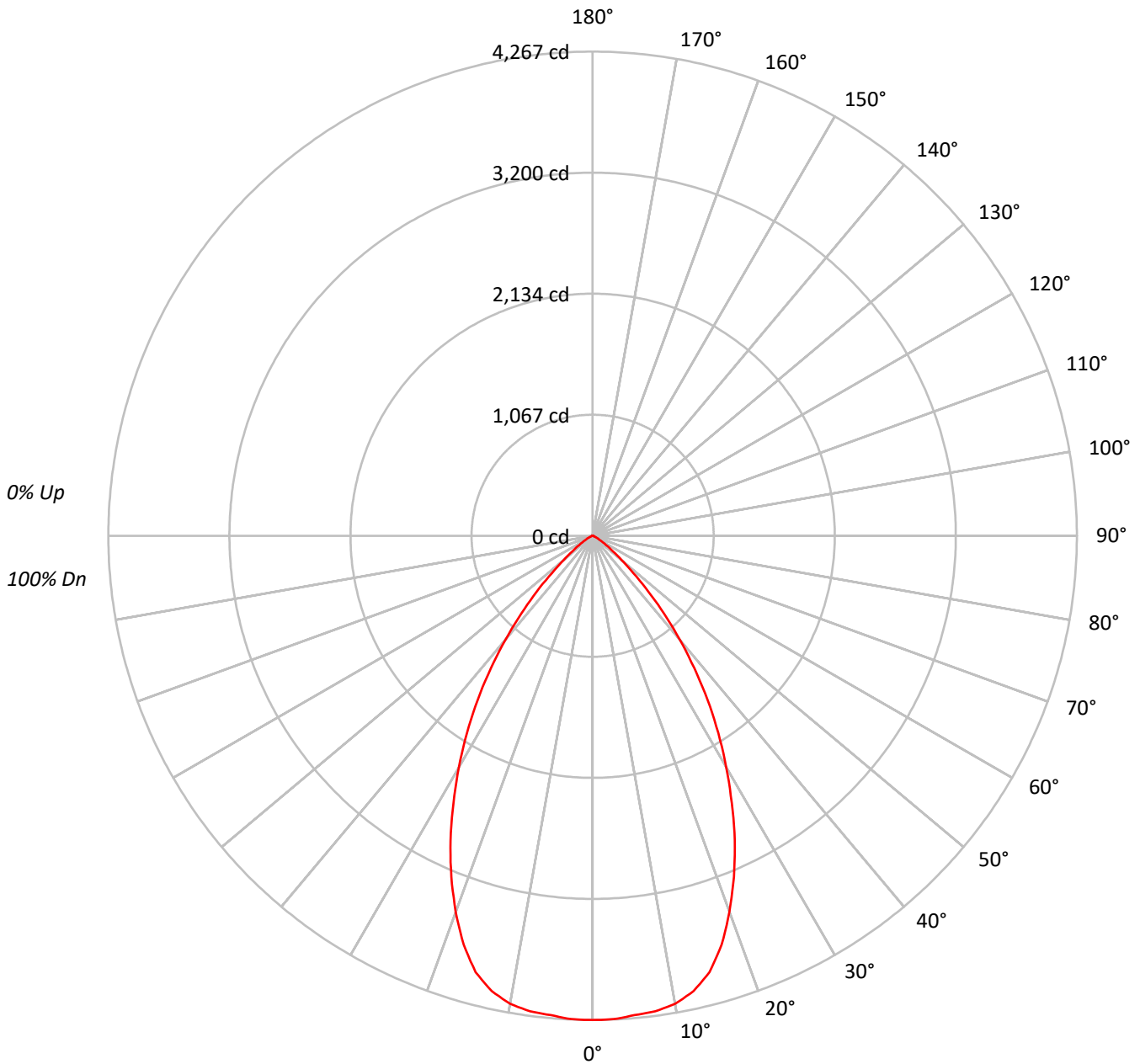


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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																			
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93																			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72																			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56																			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	249233
5°	248608
10°	248392
15°	240738
20°	219161
25°	190985
30°	158846
35°	125862
40°	90841
45°	57387
50°	29911
55°	15895
60°	8352
65°	4588
70°	1930
75°	2121
80°	1480
85°	1273

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 57387 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.6	8.6
10°-20°	1105.1	23.5
20°-30°	1350.8	28.7
30°-40°	1096.0	23.3
40°-50°	546.2	11.6
50°-60°	152.3	3.2
60°-70°	34.6	0.7
70°-80°	9.0	0.2
80°-90°	2.3	0.0
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°	2859.5	60.8
0°-40°	3955.5	84.2
0°-60°	4654.0	99.0
0°-90°	4699.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4699.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4267	
5°	4240	404
15°	3982	1105
25°	2964	1351
35°	1765	1096
45°	695	546
55°	156	152
65°	33	35
75°	9	9
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4267.4
2.5°	4264.3
5°	4240.5
7.5°	4226.7
10°	4188.4
12.5°	4110.6
15°	3981.5
17.5°	3779.5
20°	3526.2
22.5°	3252.8
25°	2963.7
27.5°	2654.5
30°	2355.4
32.5°	2060.0
35°	1765.3
37.5°	1471.2
40°	1191.5
42.5°	929.4
45°	694.8
47.5°	484.1
50°	329.2
52.5°	227.0
55°	156.1
57.5°	105.4
60°	71.5
62.5°	49.5
65°	33.2
67.5°	16.9
70°	11.3
72.5°	10.7
75°	9.4
77.5°	6.3
80°	4.4
82.5°	3.1
85°	1.9
87.5°	1.3
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)