

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: P745840

Luminaire Tested: LD4D30D010-EU4DR2015309030-4LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P745840
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D30D010-EU4DR2015309030-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2979.9 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 29
Input Voltage (V): NR
Input Current (Ain): 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

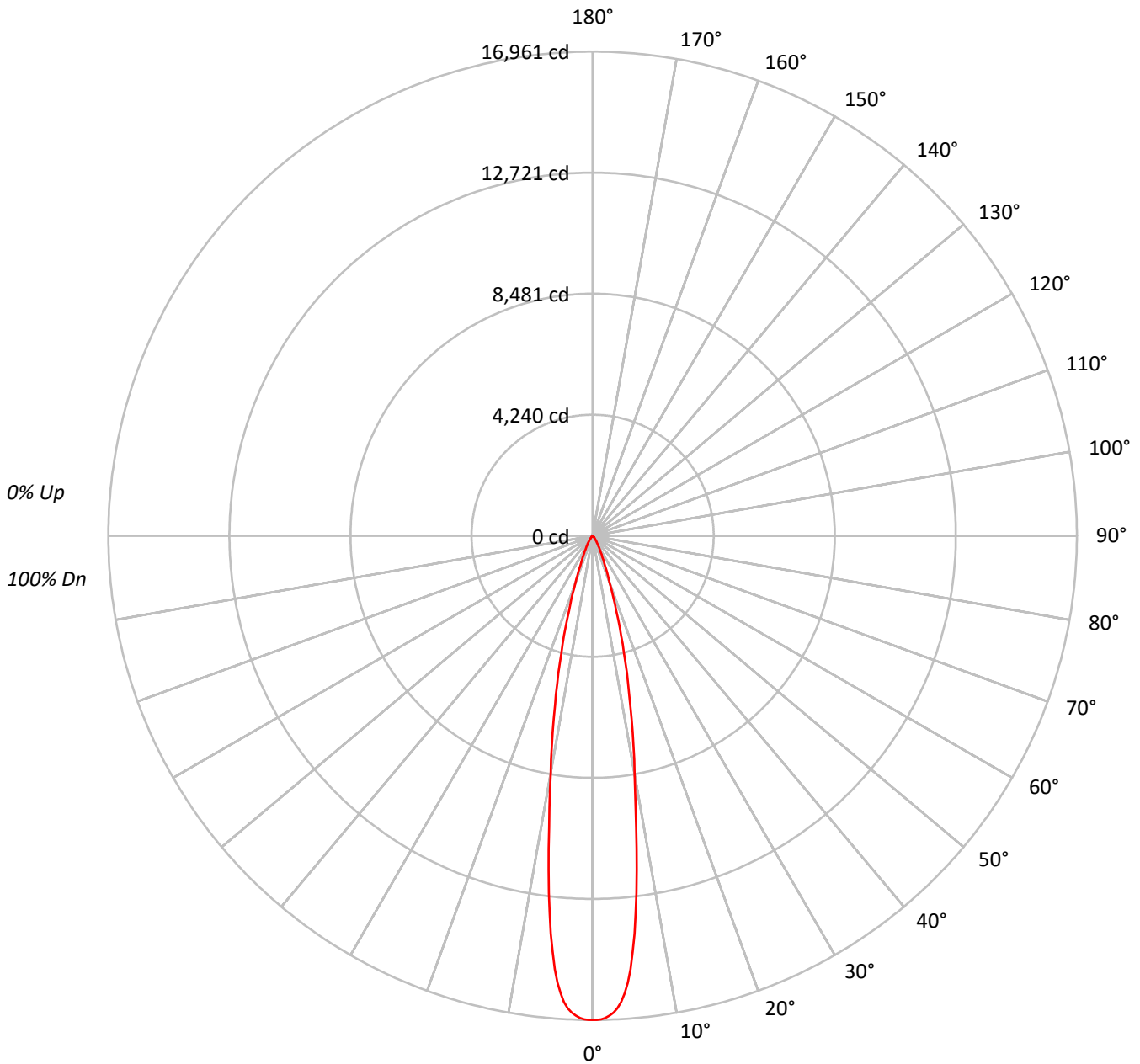


Downlight



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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97		
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94		
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91		
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88		
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85		
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83		
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81		
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79		
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77		
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1853161
5°	1671889
10°	938361
15°	476984
20°	201954
25°	93226
30°	49355
35°	26597
40°	14220
45°	8406
50°	4878
55°	2591
60°	1661
65°	1163
70°	479
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8406 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1207.6	40.5
10°-20°	1189.1	39.9
20°-30°	388.5	13.0
30°-40°	132.3	4.4
40°-50°	44.5	1.5
50°-60°	13.4	0.4
60°-70°	4.4	0.1
70°-80°	0.2	0.0
80°-90°	0.0	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°	2785.1	93.5
0°-40°	2917.4	97.9
0°-60°	2975.3	99.8
0°-90°	2979.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2979.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16961	
5°	15244	###
15°	4217	1189
25°	773	388
35°	199	132
45°	54	44
55°	14	13
65°	4	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	16960.9
0.5°	16960.9
1°	16939.7
1.5°	16897.4
2°	16820.4
2.5°	16717.7
3°	16572.7
3.5°	16370.3
4°	16069.8
4.5°	15704.3
5°	15243.6
5.5°	14638.0
6°	14017.2
6.5°	13305.9
7°	12609.6
7.5°	11794.1
8°	11066.1
8.5°	10333.6
9°	9657.0
9.5°	9036.2
10°	8457.8
12.5°	6073.0
15°	4216.8
17.5°	2754.8
20°	1736.9
22.5°	1125.2
25°	773.3
27.5°	543.7
30°	391.2
32.5°	280.9
35°	199.4
37.5°	138.9
40°	99.7
42.5°	72.5
45°	54.4
47.5°	42.3
50°	28.7
52.5°	18.1
55°	13.6
57.5°	10.6
60°	7.6
62.5°	6.0
65°	4.5



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CANDELA DISTRIBUTION (continued):

	0°
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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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Scaled Data Report





67.5°		3.0
70°		1.5

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(END OF REPORT)