

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: P747387

Luminaire Tested: LD4D35BD010-EU4DR7020359027-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P747387
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: LD4D35BD010-EU4DR7020359027-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF 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: 3287.7 lumens
Efficiency: N/A
Efficacy: 106.7 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

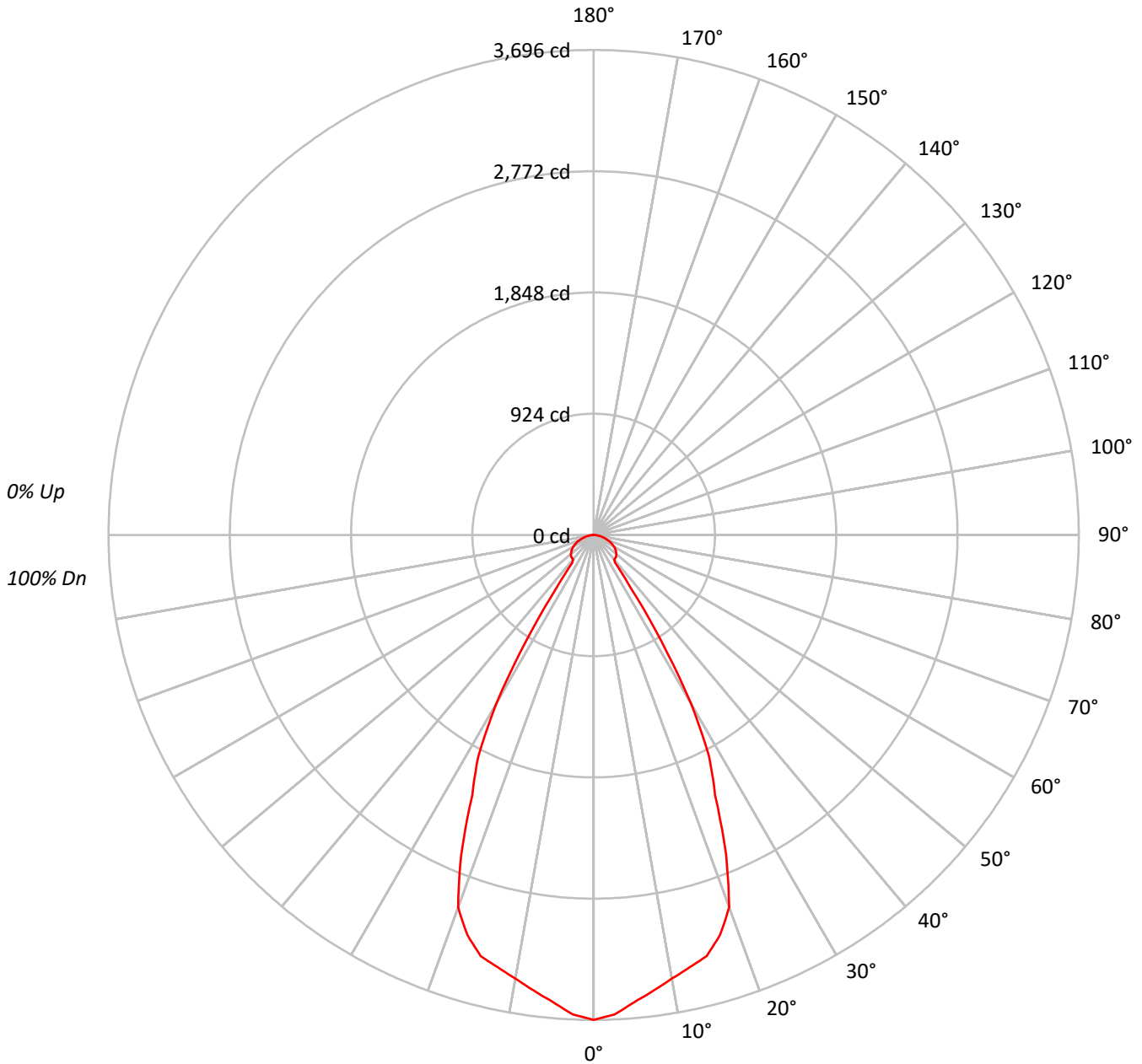
Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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
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°	403861
5°	391858
10°	380934
15°	375938
20°	351051
25°	263728
30°	186432
35°	66038
40°	34730
45°	36992
50°	38296
55°	39012
60°	39268
65°	38418
70°	36258
75°	33603
80°	29824
85°	24195

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 39268 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.0	10.3
10°-20°	924.4	28.1
20°-30°	1018.1	31.0
30°-40°	389.0	11.8
40°-50°	183.7	5.6
50°-60°	182.6	5.6
60°-70°	146.2	4.4
70°-80°	84.0	2.6
80°-90°	22.8	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°	2279.4	69.3
0°-40°	2668.4	81.2
0°-60°	3034.6	92.3
0°-90°	3287.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3287.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3696	
5°	3573	337
15°	3324	924
25°	2188	1018
35°	495	389
45°	239	184
55°	205	183
65°	149	146
75°	80	84
85°	19	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3696.3
2.5°	3657.6
5°	3572.8
7.5°	3502.0
10°	3433.5
12.5°	3375.6
15°	3323.5
17.5°	3197.7
20°	3019.2
22.5°	2634.1
25°	2187.6
27.5°	1904.3
30°	1477.7
32.5°	954.5
35°	495.1
37.5°	267.4
40°	243.5
42.5°	241.7
45°	239.4
47.5°	234.1
50°	225.3
52.5°	215.4
55°	204.8
57.5°	193.1
60°	179.7
62.5°	164.4
65°	148.6
67.5°	131.1
70°	113.5
72.5°	96.0
75°	79.6
77.5°	62.6
80°	47.4
82.5°	33.4
85°	19.3
87.5°	7.6
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)