

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: P747268

Luminaire Tested: LD4D35BD010-EU4DR6020359040-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P747268
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D35BD010-EU4DR6020359040-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2669.5 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

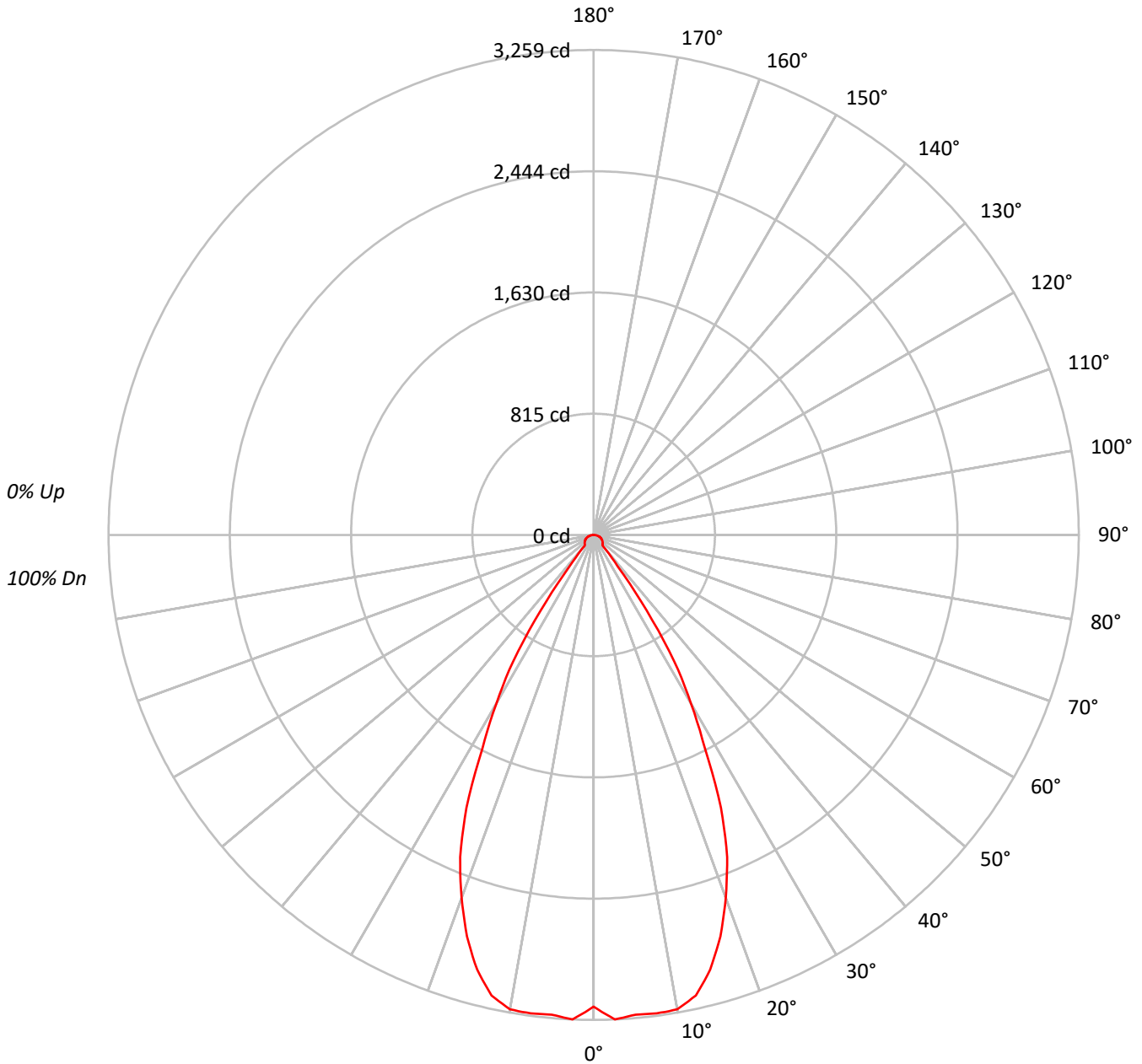
Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	346389
5°	354907
10°	359189
15°	342184
20°	301693
25°	244017
30°	165060
35°	82711
40°	13421
45°	13134
50°	13394
55°	13601
60°	13985
65°	14297
70°	14631
75°	14818
80°	14283
85°	11909

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 14818 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.3	11.6
10°-20°	836.7	31.3
20°-30°	900.3	33.7
30°-40°	391.3	14.7
40°-50°	65.7	2.5
50°-60°	63.9	2.4
60°-70°	54.7	2.0
70°-80°	36.6	1.4
80°-90°	10.9	0.4
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°	2046.3	76.7
0°-40°	2437.6	91.3
0°-60°	2567.3	96.2
0°-90°	2669.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2669.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3170	
5°	3236	309
15°	3025	837
25°	2024	900
35°	620	391
45°	85	66
55°	71	64
65°	55	55
75°	35	37
85°	10	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3170.3
2.5°	3259.4
5°	3235.9
7.5°	3243.3
10°	3237.5
12.5°	3170.7
15°	3025.1
17.5°	2829.5
20°	2594.7
22.5°	2343.5
25°	2024.1
27.5°	1619.0
30°	1308.3
32.5°	1008.4
35°	620.1
37.5°	265.3
40°	94.1
42.5°	86.6
45°	85.0
47.5°	82.1
50°	78.8
52.5°	75.1
55°	71.4
57.5°	67.7
60°	64.0
62.5°	59.8
65°	55.3
67.5°	50.7
70°	45.8
72.5°	40.4
75°	35.1
77.5°	28.9
80°	22.7
82.5°	16.1
85°	9.5
87.5°	3.3
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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