

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: P747232

Luminaire Tested: LD4D35BD010-EU4DR6020359027-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P747232
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-EU4DR6020359027-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2817.1 lumens
Efficiency: N/A
Efficacy: 91.5 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

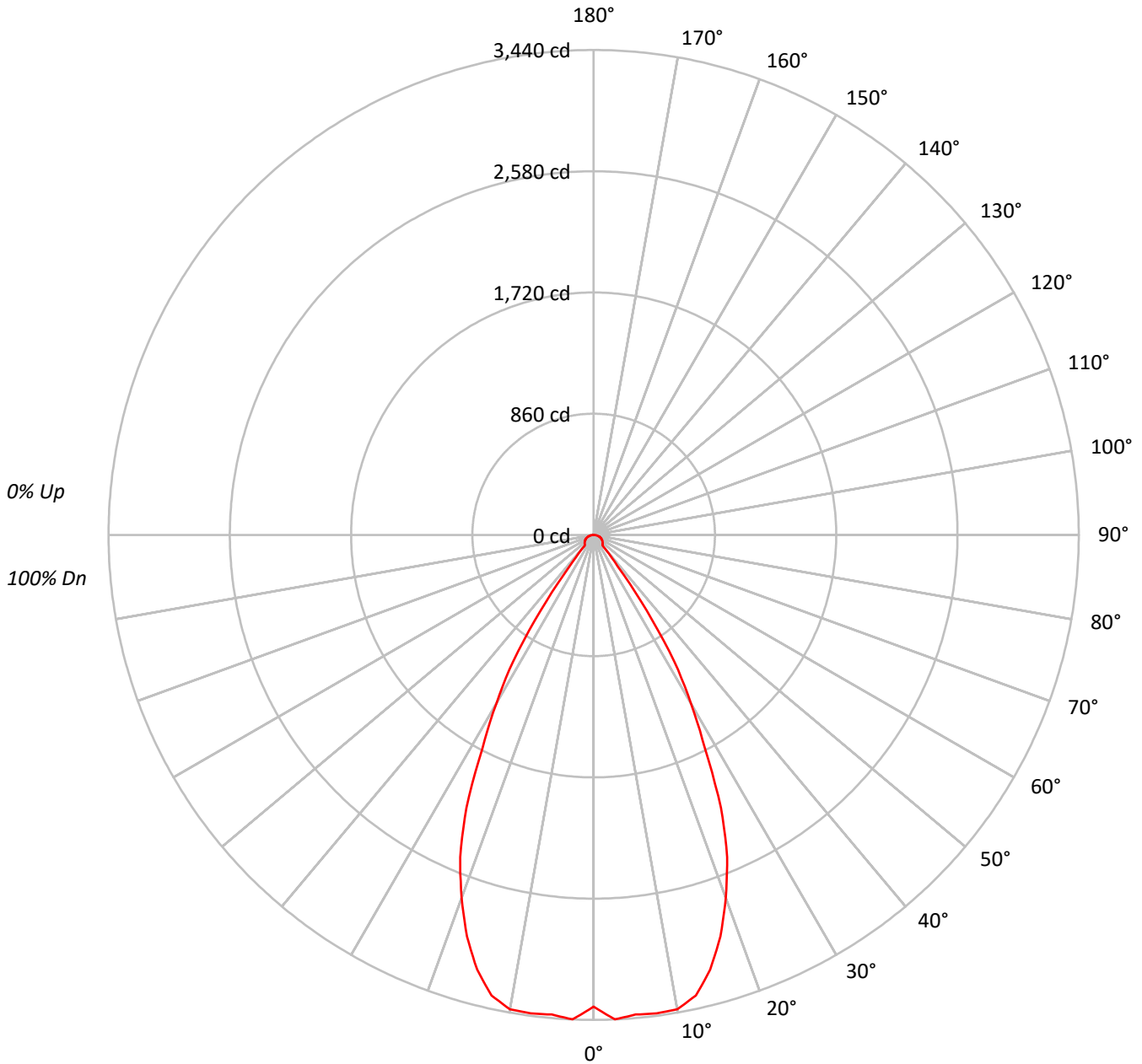
Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20																	
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	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	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°	365543
5°	374540
10°	379059
15°	361109
20°	318390
25°	257519
30°	174194
35°	87286
40°	14163
45°	13860
50°	14142
55°	14344
60°	14750
65°	15072
70°	15430
75°	15620
80°	15038
85°	12536

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 15620 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.4	11.6
10°-20°	883.0	31.3
20°-30°	950.1	33.7
30°-40°	413.0	14.7
40°-50°	69.4	2.5
50°-60°	67.4	2.4
60°-70°	57.7	2.0
70°-80°	38.6	1.4
80°-90°	11.5	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°	2159.5	76.7
0°-40°	2572.5	91.3
0°-60°	2709.2	96.2
0°-90°	2817.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2817.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3346	
5°	3415	326
15°	3192	883
25°	2136	950
35°	654	413
45°	90	69
55°	75	67
65°	58	58
75°	37	39
85°	10	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3345.6
2.5°	3439.7
5°	3414.9
7.5°	3422.7
10°	3416.6
12.5°	3346.1
15°	3192.4
17.5°	2986.0
20°	2738.3
22.5°	2473.1
25°	2136.1
27.5°	1708.5
30°	1380.7
32.5°	1064.1
35°	654.4
37.5°	280.0
40°	99.3
42.5°	91.4
45°	89.7
47.5°	86.6
50°	83.2
52.5°	79.2
55°	75.3
57.5°	71.4
60°	67.5
62.5°	63.1
65°	58.3
67.5°	53.6
70°	48.3
72.5°	42.7
75°	37.0
77.5°	30.5
80°	23.9
82.5°	17.0
85°	10.0
87.5°	3.5
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)