

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: P747277

Luminaire Tested: LD4D35BD010-EU4DR6020359040-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P747277
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-EU4DR6020359040-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3047.1 lumens
Efficiency: N/A
Efficacy: 98.9 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

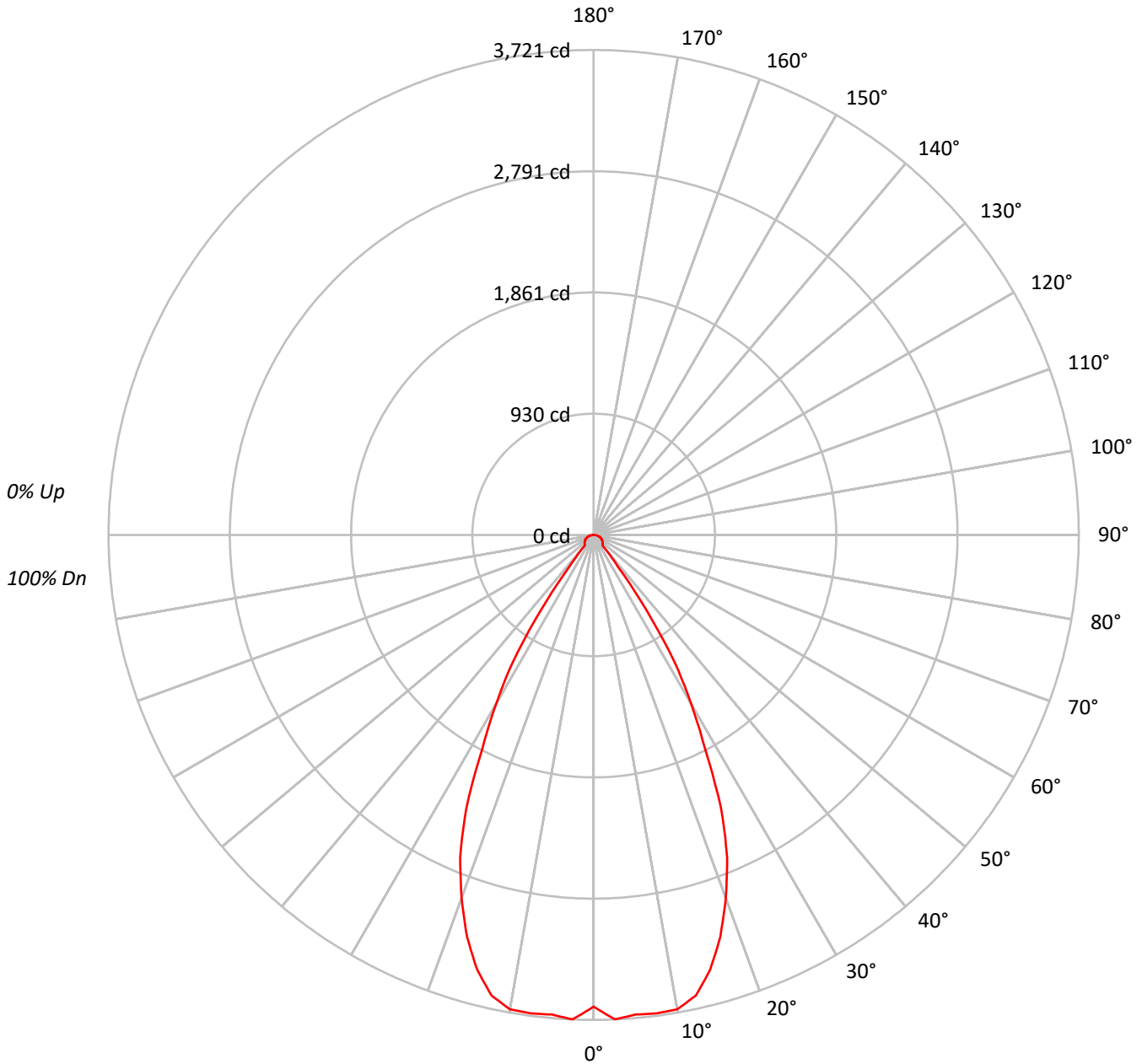
Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	395393
5°	405118
10°	410013
15°	390598
20°	344389
25°	278544
30°	188412
35°	94422
40°	15318
45°	14988
50°	15298
55°	15525
60°	15952
65°	16313
70°	16708
75°	16886
80°	16296
85°	13539

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 16886 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.0	11.6
10°-20°	955.1	31.3
20°-30°	1027.6	33.7
30°-40°	446.7	14.7
40°-50°	75.0	2.5
50°-60°	73.0	2.4
60°-70°	62.4	2.0
70°-80°	41.8	1.4
80°-90°	12.5	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°	2335.8	76.7
0°-40°	2782.5	91.3
0°-60°	2930.5	96.2
0°-90°	3047.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3047.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3619	
5°	3694	353
15°	3453	955
25°	2310	1028
35°	708	447
45°	97	75
55°	82	73
65°	63	62
75°	40	42
85°	11	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3618.8
2.5°	3720.6
5°	3693.7
7.5°	3702.2
10°	3695.6
12.5°	3619.3
15°	3453.1
17.5°	3229.8
20°	2961.9
22.5°	2675.0
25°	2310.5
27.5°	1848.0
30°	1493.4
32.5°	1151.0
35°	707.9
37.5°	302.8
40°	107.4
42.5°	98.9
45°	97.0
47.5°	93.7
50°	90.0
52.5°	85.7
55°	81.5
57.5°	77.2
60°	73.0
62.5°	68.3
65°	63.1
67.5°	57.9
70°	52.3
72.5°	46.2
75°	40.0
77.5°	33.0
80°	25.9
82.5°	18.4
85°	10.8
87.5°	3.8
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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