

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: P747029

Luminaire Tested: LD4D35BD010-EU4DR4520359035-4LBSQW1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P747029
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D35BD010-EU4DR4520359035-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

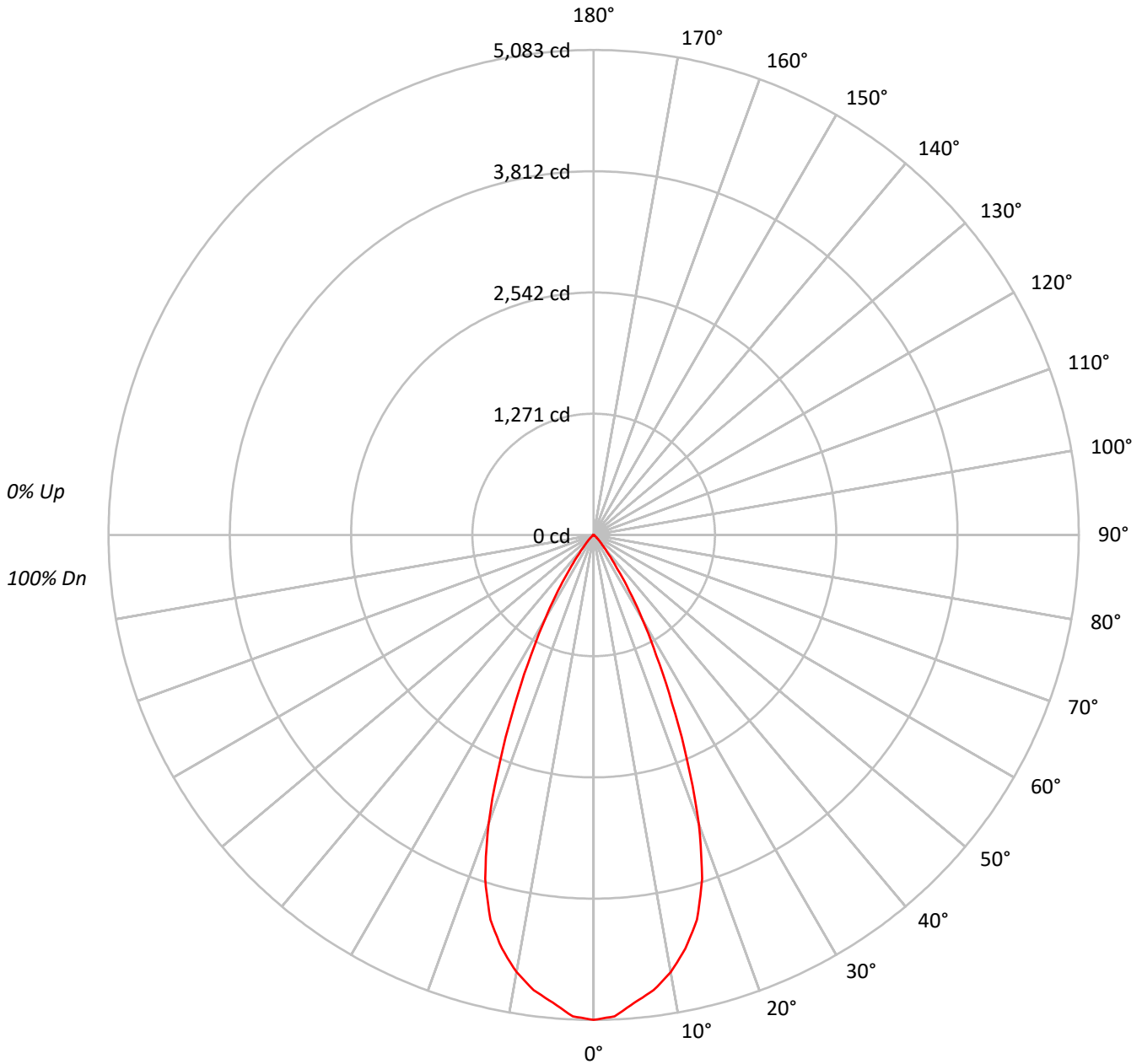
Lumens per Lamp: N/A
Luminaire Lumens: 2875.7 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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									
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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100															
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95				95															
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90				90															
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85				85															
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81				81															
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77				77															
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73				73															
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69				69															
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66				66															
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63				63															
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60				60															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	555351
5°	539540
10°	516189
15°	472425
20°	374794
25°	233987
30°	128964
35°	57915
40°	22807
45°	10754
50°	5099
55°	2667
60°	1311
65°	310
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 10754 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.2	16.1
10°-20°	1137.6	39.6
20°-30°	900.8	31.3
30°-40°	300.0	10.4
40°-50°	59.5	2.1
50°-60°	13.5	0.5
60°-70°	1.9	0.1
70°-80°	0.1	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°	2500.6	87.0
0°-40°	2800.6	97.4
0°-60°	2873.7	99.9
0°-90°	2875.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2875.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5083	
5°	4919	462
15°	4176	1138
25°	1941	901
35°	434	300
45°	70	60
55°	14	14
65°	1	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5082.8
2.5°	5049.6
5°	4919.3
7.5°	4811.8
10°	4652.6
12.5°	4440.8
15°	4176.5
17.5°	3779.1
20°	3223.4
22.5°	2561.4
25°	1940.9
27.5°	1421.2
30°	1022.2
32.5°	695.2
35°	434.2
37.5°	257.5
40°	159.9
42.5°	105.1
45°	69.6
47.5°	44.8
50°	30.0
52.5°	20.0
55°	14.0
57.5°	9.2
60°	6.0
62.5°	3.2
65°	1.2
67.5°	0.4
70°	0.4
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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