

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: P750539

Luminaire Tested: LD4D55D010-EU4DR7055659035-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P750539
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: LD4D55D010-EU4DR7055659035-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

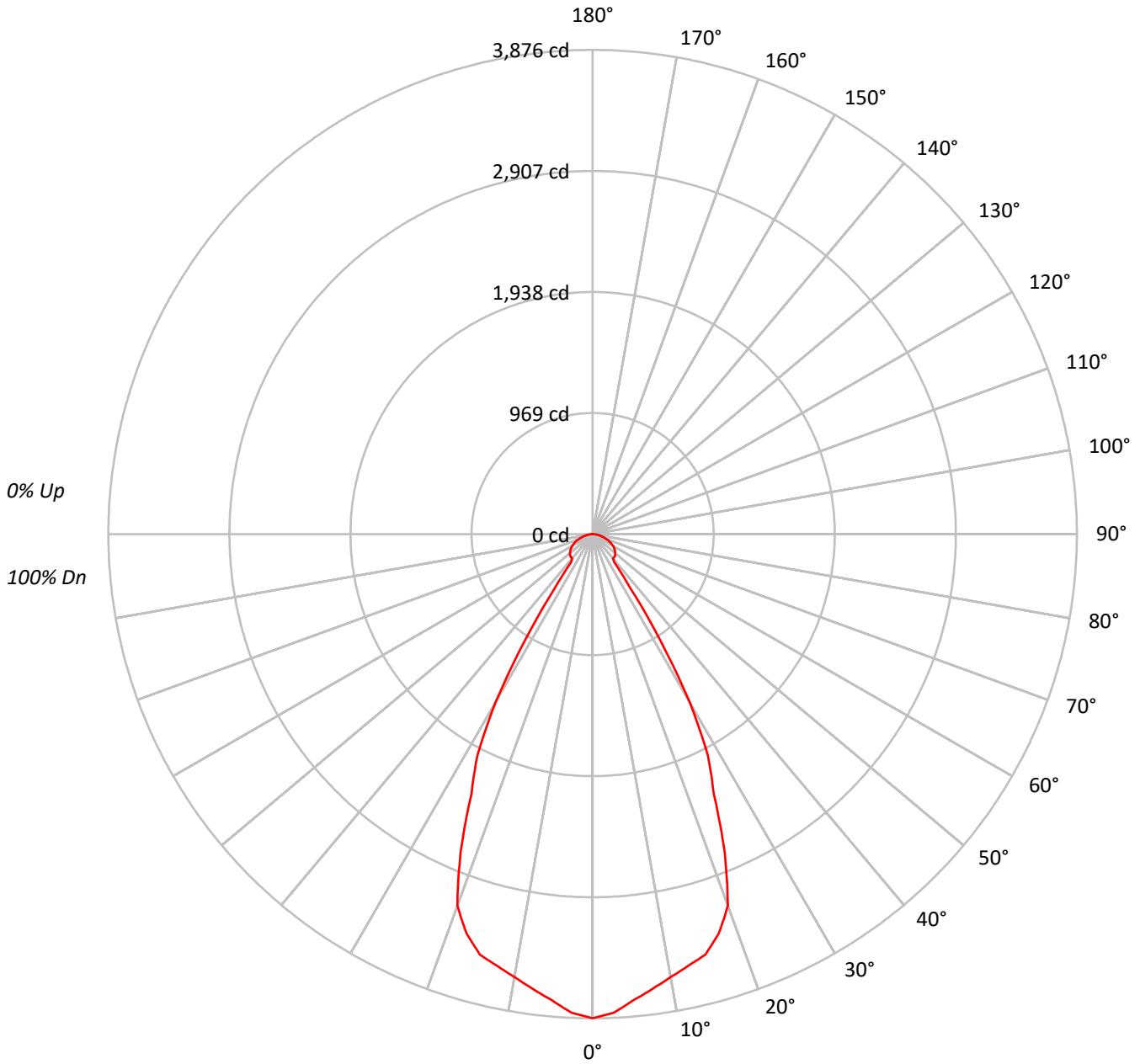
Lumens per Lamp: N/A
Luminaire Lumens: 3447.5 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 58.2
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																			
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°	423495
5°	410909
10°	399451
15°	394217
20°	368120
25°	276543
30°	195490
35°	69252
40°	36413
45°	38784
50°	40166
55°	40917
60°	41169
65°	40305
70°	38047
75°	35250
80°	31272
85°	25449

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 41179 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.4	10.2
10°-20°	969.3	28.1
20°-30°	1067.5	31.0
30°-40°	407.9	11.8
40°-50°	192.6	5.6
50°-60°	191.5	5.6
60°-70°	153.3	4.4
70°-80°	88.1	2.6
80°-90°	24.0	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°	2390.2	69.3
0°-40°	2798.1	81.2
0°-60°	3182.1	92.3
0°-90°	3447.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3447.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3876	
5°	3746	353
15°	3485	969
25°	2294	1068
35°	519	408
45°	251	193
55°	215	191
65°	156	153
75°	84	88
85°	20	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3876.0
2.5°	3835.5
5°	3746.5
7.5°	3672.2
10°	3600.4
12.5°	3539.7
15°	3485.1
17.5°	3353.1
20°	3166.0
22.5°	2762.2
25°	2293.9
27.5°	1996.9
30°	1549.5
32.5°	1000.9
35°	519.2
37.5°	280.4
40°	255.3
42.5°	253.4
45°	251.0
47.5°	245.5
50°	236.3
52.5°	225.8
55°	214.8
57.5°	202.5
60°	188.4
62.5°	172.4
65°	155.9
67.5°	137.5
70°	119.1
72.5°	100.6
75°	83.5
77.5°	65.7
80°	49.7
82.5°	35.0
85°	20.3
87.5°	8.0
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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