

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: P752750

Luminaire Tested: LD4D70BD010-EU4DR6070959050-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752750
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: LD4D70BD010-EU4DR6070959050-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

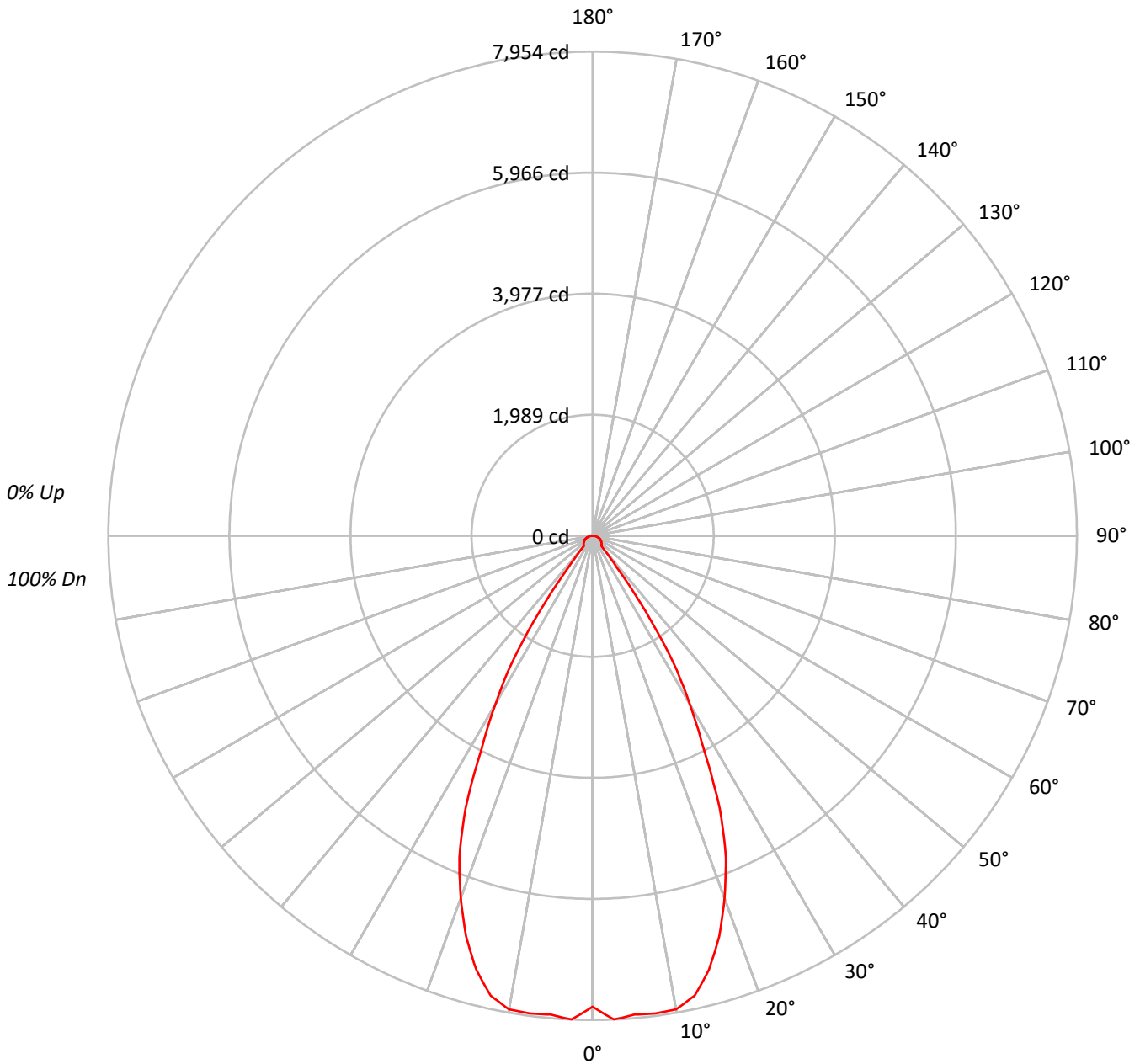
Lumens per Lamp: N/A
Luminaire Lumens: 6514.0 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 66.6
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	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°	845252
5°	866040
10°	876498
15°	834981
20°	736193
25°	595462
30°	402777
35°	201835
40°	32734
45°	32047
50°	32687
55°	33183
60°	34111
65°	34876
70°	35715
75°	36136
80°	34858
85°	29084

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 36136 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	754.7	11.6
10°-20°	2041.8	31.3
20°-30°	2196.8	33.7
30°-40°	954.9	14.7
40°-50°	160.4	2.5
50°-60°	156.0	2.4
60°-70°	133.4	2.0
70°-80°	89.3	1.4
80°-90°	26.7	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°	4993.3	76.7
0°-40°	5948.3	91.3
0°-60°	6264.6	96.2
0°-90°	6514.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6514.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7736	
5°	7896	755
15°	7382	2042
25°	4939	2197
35°	1513	955
45°	207	160
55°	174	156
65°	135	133
75°	86	89
85°	23	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7736.1
2.5°	7953.5
5°	7896.2
7.5°	7914.3
10°	7900.2
12.5°	7737.1
15°	7381.7
17.5°	6904.5
20°	6331.6
22.5°	5718.5
25°	4939.3
27.5°	3950.6
30°	3192.5
32.5°	2460.6
35°	1513.2
37.5°	647.4
40°	229.5
42.5°	211.4
45°	207.4
47.5°	200.3
50°	192.3
52.5°	183.2
55°	174.2
57.5°	165.1
60°	156.1
62.5°	146.0
65°	134.9
67.5°	123.8
70°	111.8
72.5°	98.7
75°	85.6
77.5°	70.5
80°	55.4
82.5°	39.3
85°	23.2
87.5°	8.1
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)