

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: P756637

Luminaire Tested: LD4D95BD010-EU4DR6070959040-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756637
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: LD4D95BD010-EU4DR6070959040-4LBSQW1MW
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

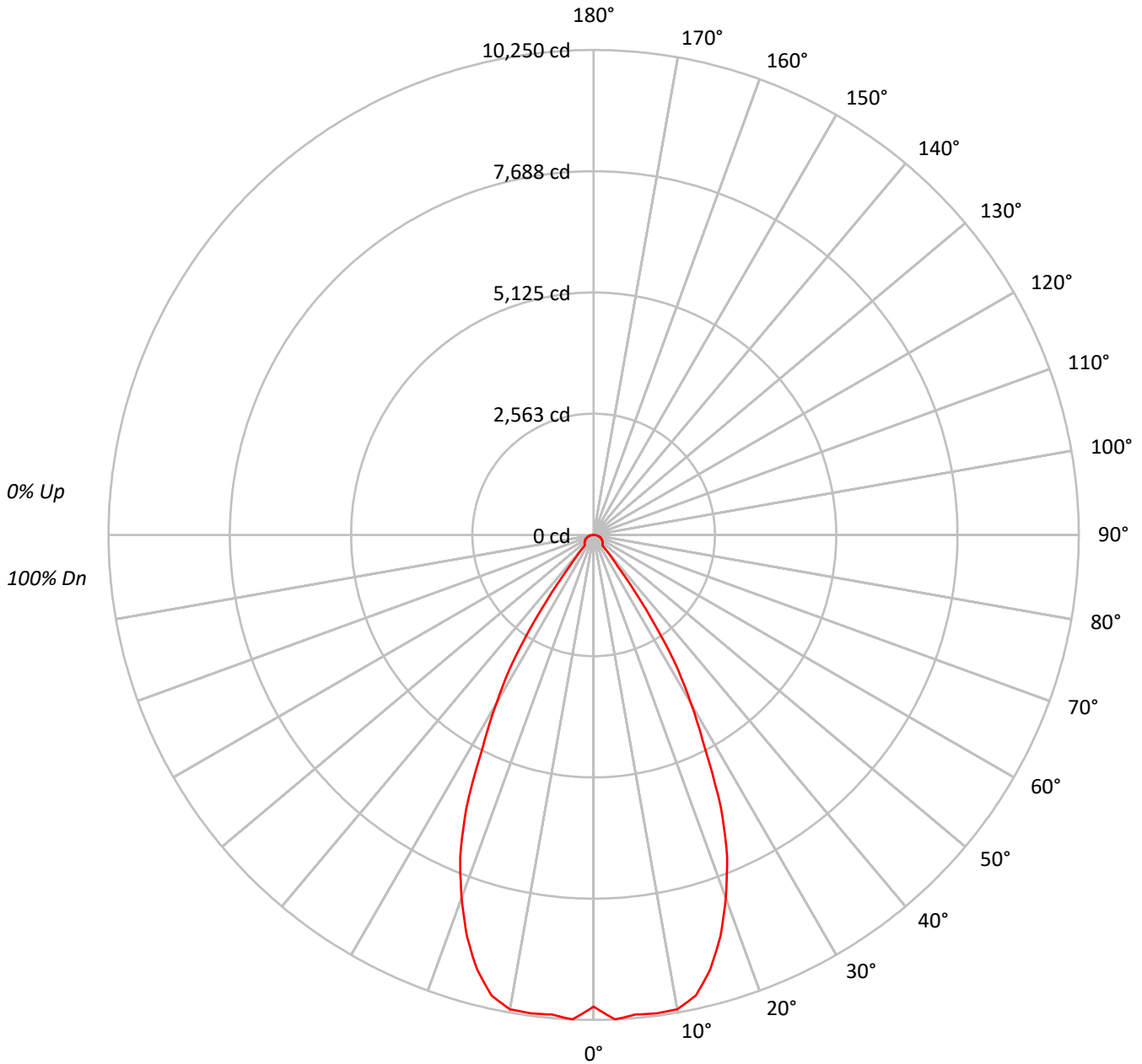
Lumens per Lamp: N/A
Luminaire Lumens: 8394.4 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 99.2
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	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°	1089264
5°	1116052
10°	1129533
15°	1076030
20°	948728
25°	767350
30°	519049
35°	260096
40°	42190
45°	41303
50°	42121
55°	42765
60°	43945
65°	44959
70°	46002
75°	46563
80°	44925
85°	37358

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 46563 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	972.5	11.6
10°-20°	2631.3	31.3
20°-30°	2831.0	33.7
30°-40°	1230.6	14.7
40°-50°	206.7	2.5
50°-60°	201.0	2.4
60°-70°	171.9	2.0
70°-80°	115.0	1.4
80°-90°	34.4	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°	6434.8	76.7
0°-40°	7665.4	91.3
0°-60°	8073.1	96.2
0°-90°	8394.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8394.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9969	
5°	10176	973
15°	9513	2631
25°	6365	2831
35°	1950	1231
45°	267	207
55°	224	201
65°	174	172
75°	110	115
85°	30	34
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9969.4
2.5°	10249.6
5°	10175.7
7.5°	10199.0
10°	10180.9
12.5°	9970.7
15°	9512.7
17.5°	8897.7
20°	8159.5
22.5°	7369.3
25°	6365.1
27.5°	5091.1
30°	4114.1
32.5°	3170.9
35°	1950.0
37.5°	834.2
40°	295.8
42.5°	272.5
45°	267.3
47.5°	258.2
50°	247.8
52.5°	236.1
55°	224.5
57.5°	212.8
60°	201.1
62.5°	188.1
65°	173.9
67.5°	159.6
70°	144.0
72.5°	127.1
75°	110.3
77.5°	90.8
80°	71.4
82.5°	50.6
85°	29.8
87.5°	10.4
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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