

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: P754297

Luminaire Tested: LD4D80BD010-EU4DR6070959040-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P754297
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: LD4D80BD010-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

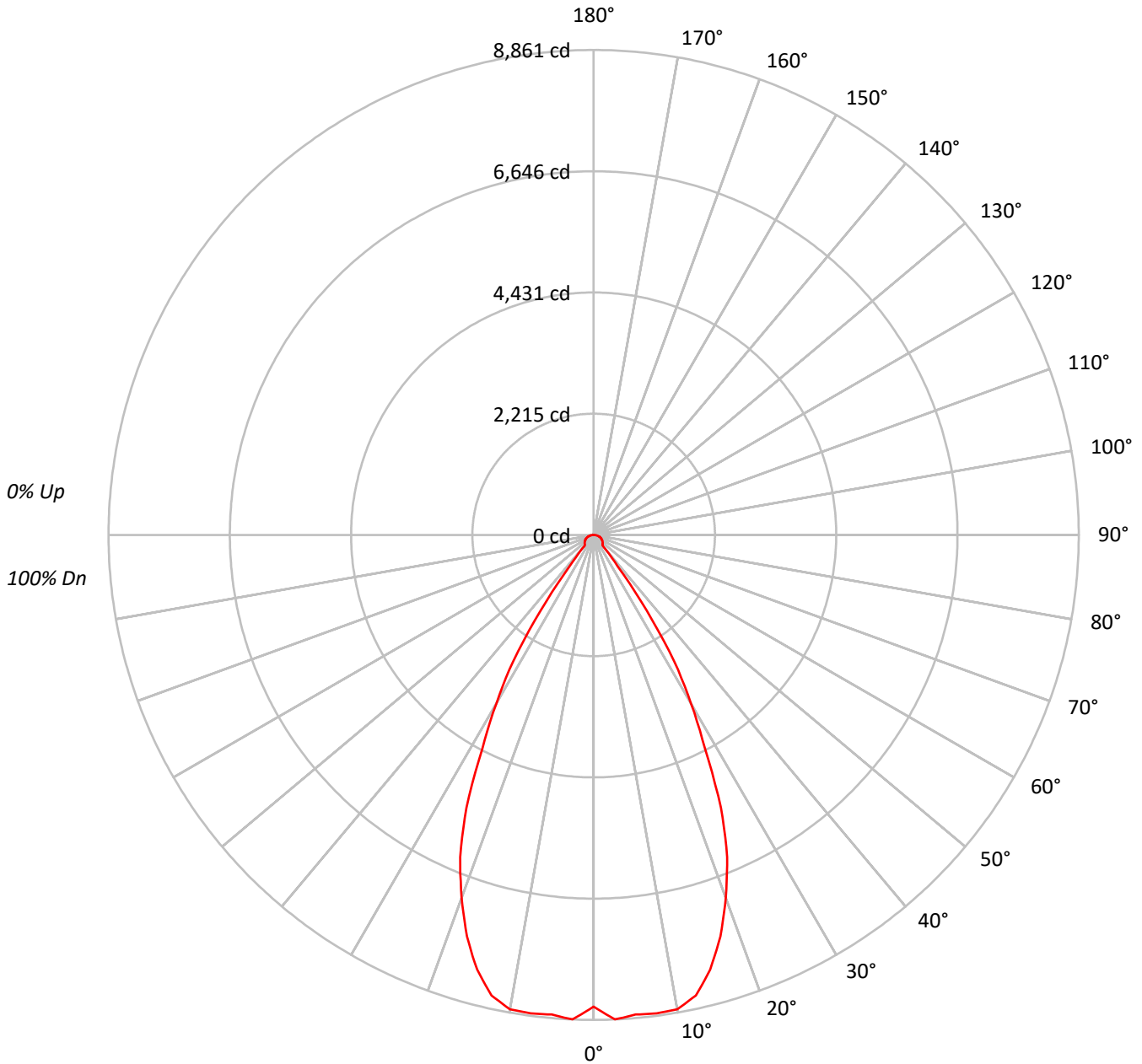
Lumens per Lamp: N/A
Luminaire Lumens: 7256.7 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 78.9
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°	941653
5°	964805
10°	976460
15°	930202
20°	820154
25°	663371
30°	448713
35°	224857
40°	36470
45°	35694
50°	36410
55°	36955
60°	37979
65°	38858
70°	39772
75°	40231
80°	38822
85°	32344

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 40231 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	840.7	11.6
10°-20°	2274.7	31.3
20°-30°	2447.4	33.7
30°-40°	1063.8	14.7
40°-50°	178.7	2.5
50°-60°	173.7	2.4
60°-70°	148.6	2.0
70°-80°	99.4	1.4
80°-90°	29.7	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°	5562.8	76.7
0°-40°	6626.6	91.3
0°-60°	6979.0	96.2
0°-90°	7256.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7256.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8618	
5°	8797	841
15°	8224	2275
25°	5503	2447
35°	1686	1064
45°	231	179
55°	194	174
65°	150	149
75°	95	99
85°	26	30
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8618.4
2.5°	8860.6
5°	8796.7
7.5°	8816.9
10°	8801.2
12.5°	8619.5
15°	8223.5
17.5°	7691.9
20°	7053.7
22.5°	6370.7
25°	5502.6
27.5°	4401.1
30°	3556.6
32.5°	2741.2
35°	1685.8
37.5°	721.2
40°	255.7
42.5°	235.5
45°	231.0
47.5°	223.2
50°	214.2
52.5°	204.1
55°	194.0
57.5°	183.9
60°	173.8
62.5°	162.6
65°	150.3
67.5°	138.0
70°	124.5
72.5°	109.9
75°	95.3
77.5°	78.5
80°	61.7
82.5°	43.7
85°	25.8
87.5°	9.0
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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