

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: P754440

Luminaire Tested: LD4D80BD010-EU4DR7070959035-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P754440
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: LD4D80BD010-EU4DR7070959035-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

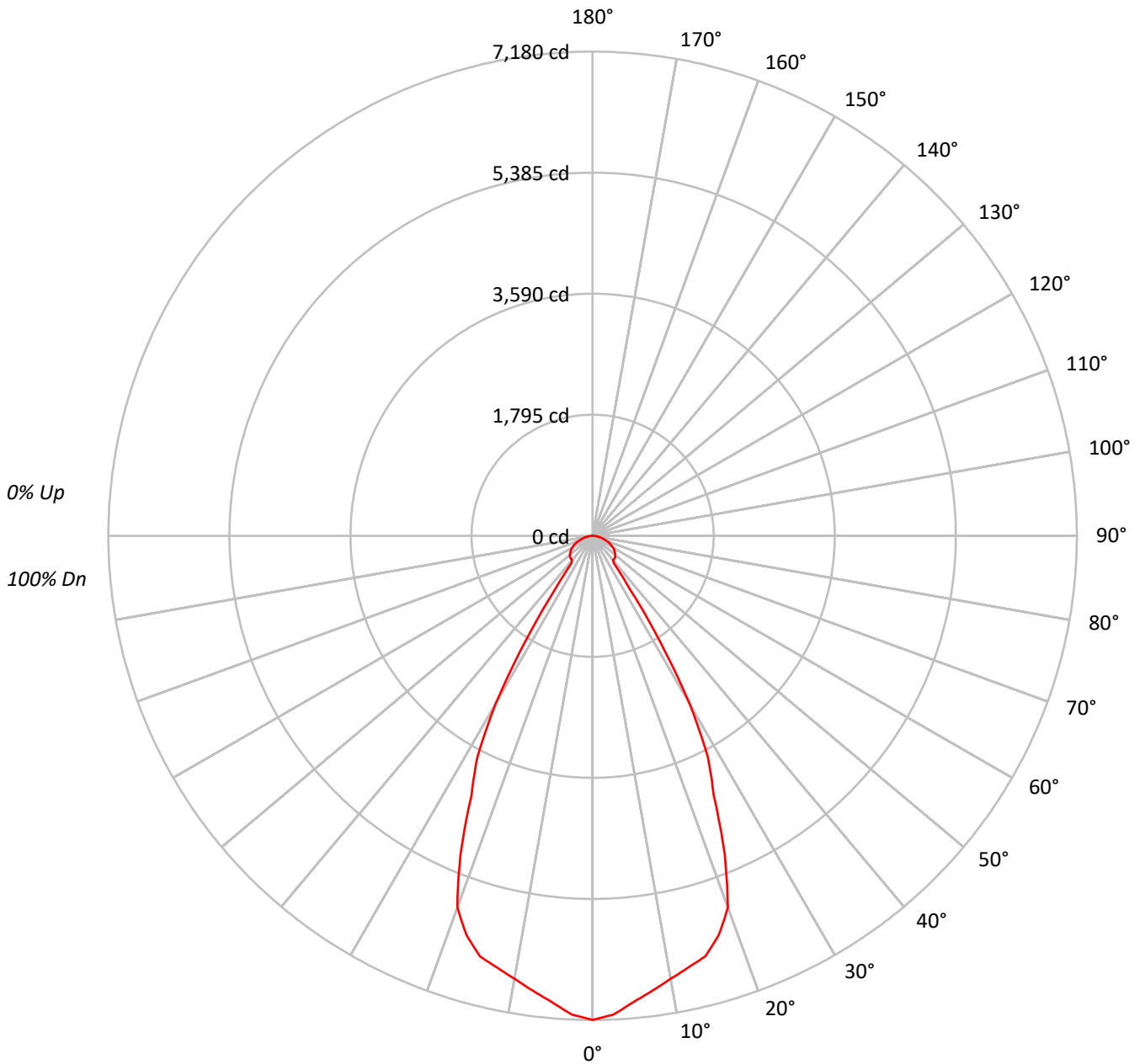
Lumens per Lamp: N/A
Luminaire Lumens: 6386.4 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 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				20				
RC	80				70				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°	784514
5°	761199
10°	739989
15°	730271
20°	681929
25°	512302
30°	362152
35°	128288
40°	67450
45°	71851
50°	74400
55°	75796
60°	76264
65°	74664
70°	70440
75°	65265
80°	57950
85°	47011

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 76298 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	654.6	10.3
10°-20°	1795.6	28.1
20°-30°	1977.6	31.0
30°-40°	755.6	11.8
40°-50°	356.8	5.6
50°-60°	354.7	5.6
60°-70°	284.0	4.4
70°-80°	163.2	2.6
80°-90°	44.4	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°	4427.8	69.3
0°-40°	5183.4	81.2
0°-60°	5894.9	92.3
0°-90°	6386.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6386.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7180	
5°	6940	655
15°	6456	1796
25°	4250	1978
35°	962	756
45°	465	357
55°	398	355
65°	289	284
75°	155	163
85°	38	44
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7180.2
2.5°	7105.2
5°	6940.3
7.5°	6802.8
10°	6669.8
12.5°	6557.2
15°	6456.0
17.5°	6211.6
20°	5864.9
22.5°	5116.9
25°	4249.5
27.5°	3699.2
30°	2870.5
32.5°	1854.2
35°	961.8
37.5°	519.5
40°	472.9
42.5°	469.5
45°	465.0
47.5°	454.7
50°	437.7
52.5°	418.4
55°	397.9
57.5°	375.2
60°	349.0
62.5°	319.4
65°	288.8
67.5°	254.6
70°	220.5
72.5°	186.4
75°	154.6
77.5°	121.6
80°	92.1
82.5°	64.8
85°	37.5
87.5°	14.8
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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