

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: P755091

Luminaire Tested: LD4D85BD010-EU4DR6570959024-4LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P755091
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D85BD010-EU4DR6570959024-4LBCSSQMB
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

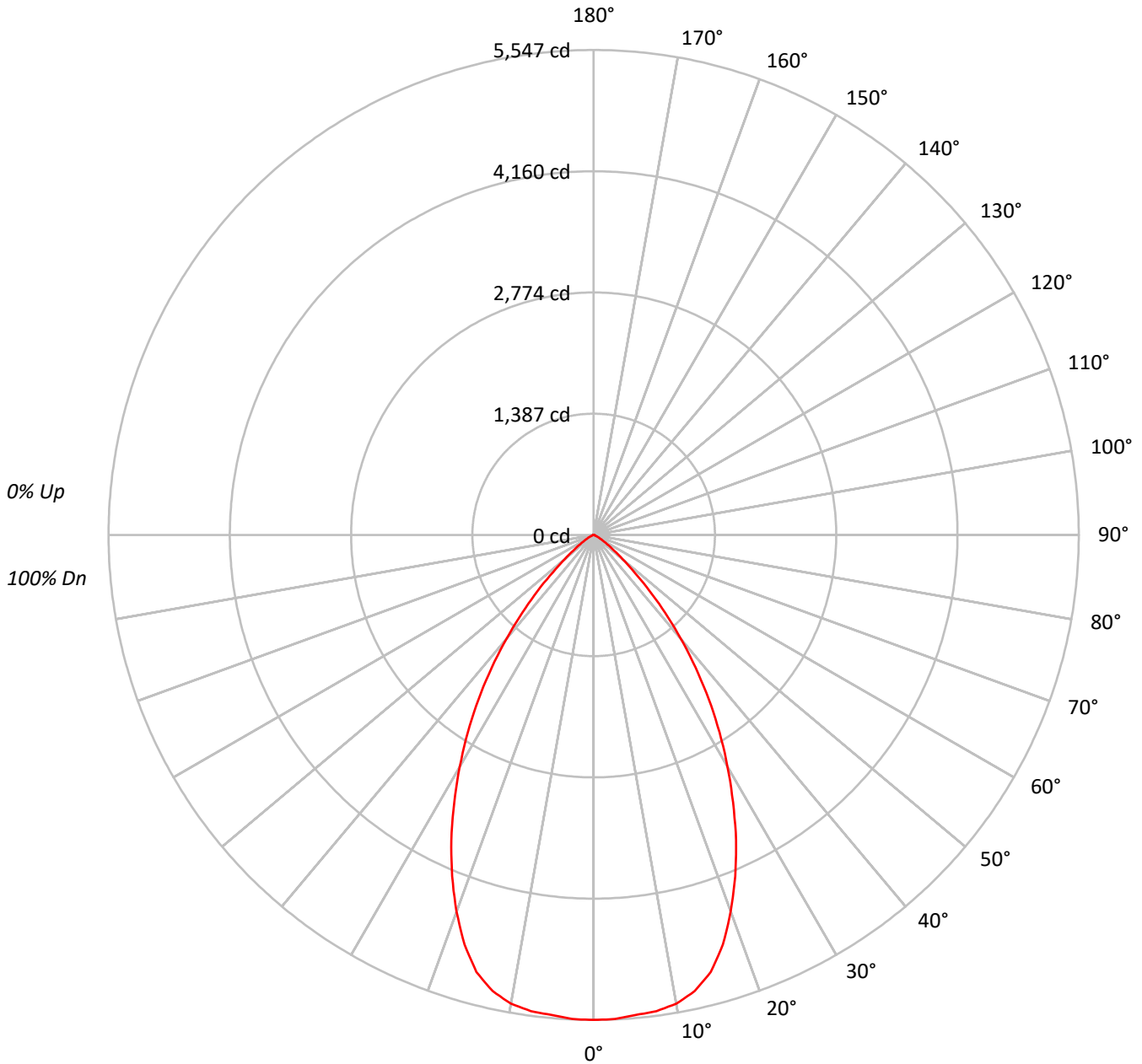
Lumens per Lamp: N/A
Luminaire Lumens: 6109.1 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

Input Watts (W): 87.7
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93		
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85		
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78		
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72		
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66		
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61		
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56		
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52		
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49		
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	323960
5°	323140
10°	322867
15°	312914
20°	284868
25°	248248
30°	206471
35°	163600
40°	118074
45°	74600
50°	38879
55°	20670
60°	10851
65°	5970
70°	2510
75°	2753
80°	1917
85°	1608

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 74600 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	524.6	8.6
10°-20°	1436.4	23.5
20°-30°	1755.8	28.7
30°-40°	1424.6	23.3
40°-50°	709.9	11.6
50°-60°	198.0	3.2
60°-70°	45.0	0.7
70°-80°	11.7	0.2
80°-90°	3.0	0.0
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°	3716.8	60.8
0°-40°	5141.5	84.2
0°-60°	6049.4	99.0
0°-90°	6109.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6109.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5547	
5°	5512	525
15°	5175	1436
25°	3852	1756
35°	2295	1425
45°	903	710
55°	203	198
65°	43	45
75°	12	12
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5546.9
2.5°	5542.8
5°	5511.8
7.5°	5493.9
10°	5444.2
12.5°	5343.1
15°	5175.2
17.5°	4912.7
20°	4583.4
22.5°	4228.0
25°	3852.3
27.5°	3450.4
30°	3061.6
32.5°	2677.7
35°	2294.6
37.5°	1912.3
40°	1548.7
42.5°	1208.0
45°	903.2
47.5°	629.3
50°	427.9
52.5°	295.1
55°	203.0
57.5°	136.9
60°	92.9
62.5°	64.4
65°	43.2
67.5°	22.0
70°	14.7
72.5°	13.9
75°	12.2
77.5°	8.2
80°	5.7
82.5°	4.1
85°	2.4
87.5°	1.6
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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