

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: P756779

Luminaire Tested: LD4D95BD010-EU4DR7070959035-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756779
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: LD4D95BD010-EU4DR7070959035-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

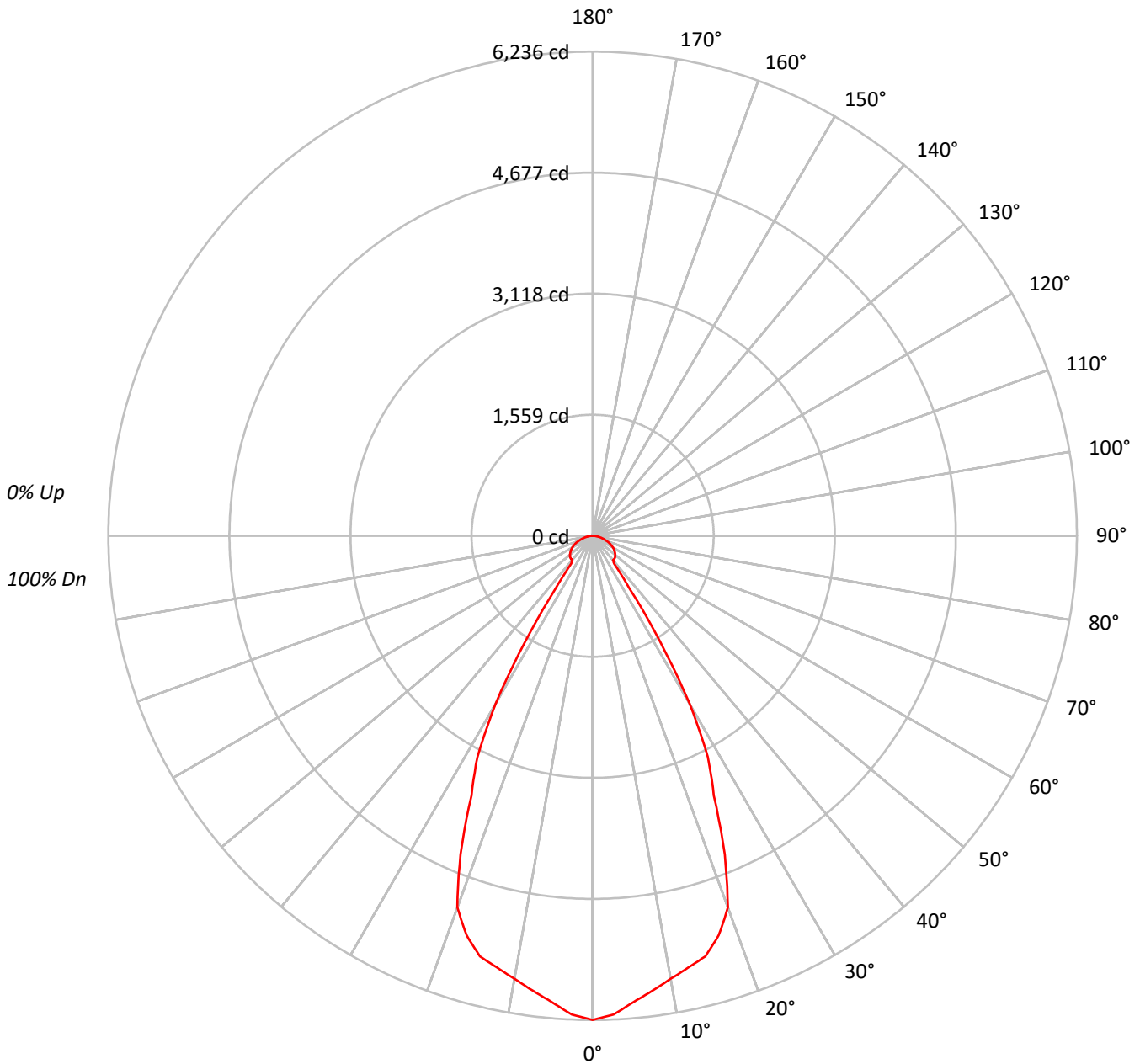
Lumens per Lamp: N/A
Luminaire Lumens: 5547.0 lumens
Efficiency: N/A
Efficacy: 55.9 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 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				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°	681394
5°	661140
10°	642712
15°	634281
20°	592282
25°	444960
30°	314551
35°	111415
40°	58592
45°	62394
50°	64609
55°	65833
60°	66234
65°	64840
70°	61208
75°	56695
80°	50337
85°	40868

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 66252 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	568.6	10.3
10°-20°	1559.6	28.1
20°-30°	1717.7	31.0
30°-40°	656.3	11.8
40°-50°	309.9	5.6
50°-60°	308.1	5.6
60°-70°	246.7	4.4
70°-80°	141.8	2.6
80°-90°	38.5	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°	3845.8	69.3
0°-40°	4502.0	81.2
0°-60°	5120.0	92.3
0°-90°	5547.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5547.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6236	
5°	6028	569
15°	5607	1560
25°	3691	1718
35°	835	656
45°	404	310
55°	346	308
65°	251	247
75°	134	142
85°	33	39
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6236.4
2.5°	6171.2
5°	6028.0
7.5°	5908.5
10°	5793.0
12.5°	5695.3
15°	5607.4
17.5°	5395.1
20°	5093.9
22.5°	4444.2
25°	3690.9
27.5°	3213.0
30°	2493.2
32.5°	1610.4
35°	835.3
37.5°	451.2
40°	410.8
42.5°	407.8
45°	403.8
47.5°	395.0
50°	380.1
52.5°	363.4
55°	345.6
57.5°	325.8
60°	303.1
62.5°	277.5
65°	250.8
67.5°	221.2
70°	191.6
72.5°	161.9
75°	134.3
77.5°	105.7
80°	80.0
82.5°	56.3
85°	32.6
87.5°	12.8
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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