

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: P756805

Luminaire Tested: LD4D95BD010-EU4DR7070959050-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756805
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-EU4DR7070959050-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

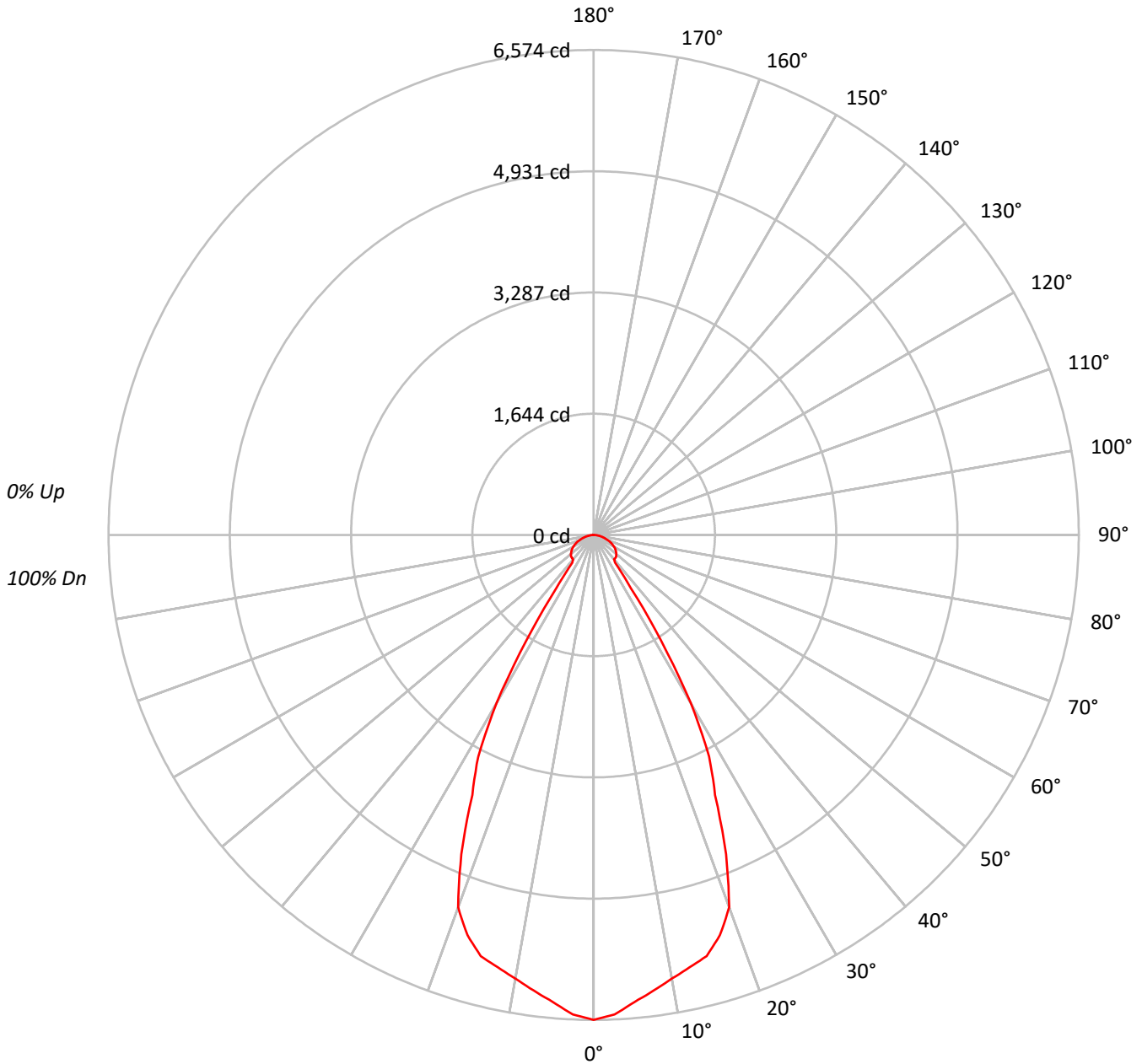
Lumens per Lamp: N/A
Luminaire Lumens: 5847.7 lumens
Efficiency: N/A
Efficacy: 58.9 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P756805
CATALOG NUMBER: LD4D95BD010-EU4DR7070959050-4LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P756805
 CATALOG NUMBER: LD4D95BD010-EU4DR7070959050-4LBSQW1B

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			100
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			70
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			65
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			53
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			50
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	718335
5°	696993
10°	677571
15°	668680
20°	624409
25°	469083
30°	331608
35°	117457
40°	61759
45°	65778
50°	68128
55°	69396
60°	69839
65°	68356
70°	64498
75°	59777
80°	53042
85°	43125

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 69851 cd/sqm



TEST NUMBER: P756805

CATALOG NUMBER: LD4D95BD010-EU4DR7070959050-4LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	599.4	10.3
10°-20°	1644.1	28.1
20°-30°	1810.8	31.0
30°-40°	691.9	11.8
40°-50°	326.7	5.6
50°-60°	324.8	5.6
60°-70°	260.0	4.4
70°-80°	149.4	2.6
80°-90°	40.6	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°	4054.3	69.3
0°-40°	4746.2	81.2
0°-60°	5397.6	92.3
0°-90°	5847.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5847.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6574	
5°	6355	599
15°	5912	1644
25°	3891	1811
35°	881	692
45°	426	327
55°	364	325
65°	264	260
75°	142	149
85°	34	41
90°	0	



TEST NUMBER: P756805

CATALOG NUMBER: LD4D95BD010-EU4DR7070959050-4LBSQW1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	6574.5
2.5°	6505.8
5°	6354.9
7.5°	6229.0
10°	6107.2
12.5°	6004.1
15°	5911.5
17.5°	5687.7
20°	5370.2
22.5°	4685.2
25°	3891.0
27.5°	3387.2
30°	2628.4
32.5°	1697.8
35°	880.6
37.5°	475.7
40°	433.0
42.5°	429.9
45°	425.7
47.5°	416.4
50°	400.8
52.5°	383.1
55°	364.3
57.5°	343.5
60°	319.6
62.5°	292.5
65°	264.4
67.5°	233.2
70°	201.9
72.5°	170.7
75°	141.6
77.5°	111.4
80°	84.3
82.5°	59.3
85°	34.4
87.5°	13.5
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)