

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



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: P756597

Luminaire Tested: LD4D95BD010-EU4DR6070959027-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756597
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: LD4D95BD010-EU4DR6070959027-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

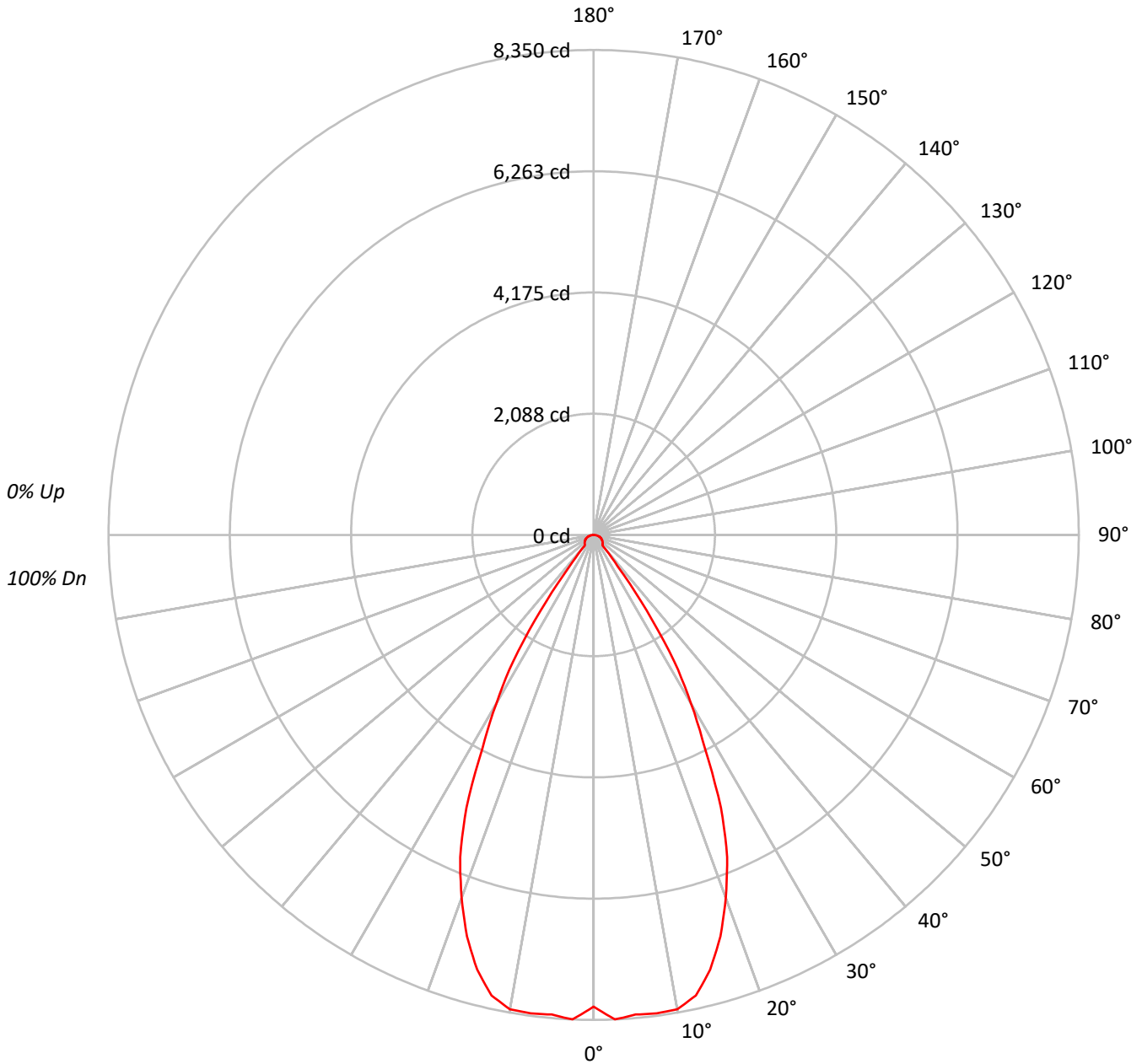
Lumens per Lamp: N/A
Luminaire Lumens: 6838.2 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P756597
CATALOG NUMBER: LD4D95BD010-EU4DR6070959027-4LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P756597

CATALOG NUMBER: LD4D95BD010-EU4DR6070959027-4LBSQW1B

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	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	887339
5°	909155
10°	920144
15°	876551
20°	772854
25°	625106
30°	422837
35°	211879
40°	34374
45°	33639
50°	34319
55°	34822
60°	35794
65°	36608
70°	37472
75°	37909
80°	36557
85°	30463

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 37909 cd/sqm



TEST NUMBER: P756597

CATALOG NUMBER: LD4D95BD010-EU4DR6070959027-4LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	792.3	11.6
10°-20°	2143.5	31.3
20°-30°	2306.2	33.7
30°-40°	1002.5	14.7
40°-50°	168.4	2.5
50°-60°	163.7	2.4
60°-70°	140.0	2.0
70°-80°	93.7	1.4
80°-90°	28.0	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°	5242.0	76.7
0°-40°	6244.4	91.3
0°-60°	6576.5	96.2
0°-90°	6838.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6838.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8121	
5°	8289	792
15°	7749	2143
25°	5185	2306
35°	1588	1002
45°	218	168
55°	183	164
65°	142	140
75°	90	94
85°	24	28
90°	0	



TEST NUMBER: P756597

CATALOG NUMBER: LD4D95BD010-EU4DR6070959027-4LBSQW1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	8121.3
2.5°	8349.6
5°	8289.3
7.5°	8308.4
10°	8293.6
12.5°	8122.3
15°	7749.2
17.5°	7248.3
20°	6646.9
22.5°	6003.2
25°	5185.2
27.5°	4147.3
30°	3351.5
32.5°	2583.1
35°	1588.5
37.5°	679.6
40°	241.0
42.5°	222.0
45°	217.7
47.5°	210.3
50°	201.9
52.5°	192.4
55°	182.8
57.5°	173.3
60°	163.8
62.5°	153.3
65°	141.6
67.5°	130.0
70°	117.3
72.5°	103.6
75°	89.8
77.5°	74.0
80°	58.1
82.5°	41.2
85°	24.3
87.5°	8.5
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)