

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: P753490

Luminaire Tested: LD4D75BD010-EU4DR6070959030-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753490
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: LD4D75BD010-EU4DR6070959030-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

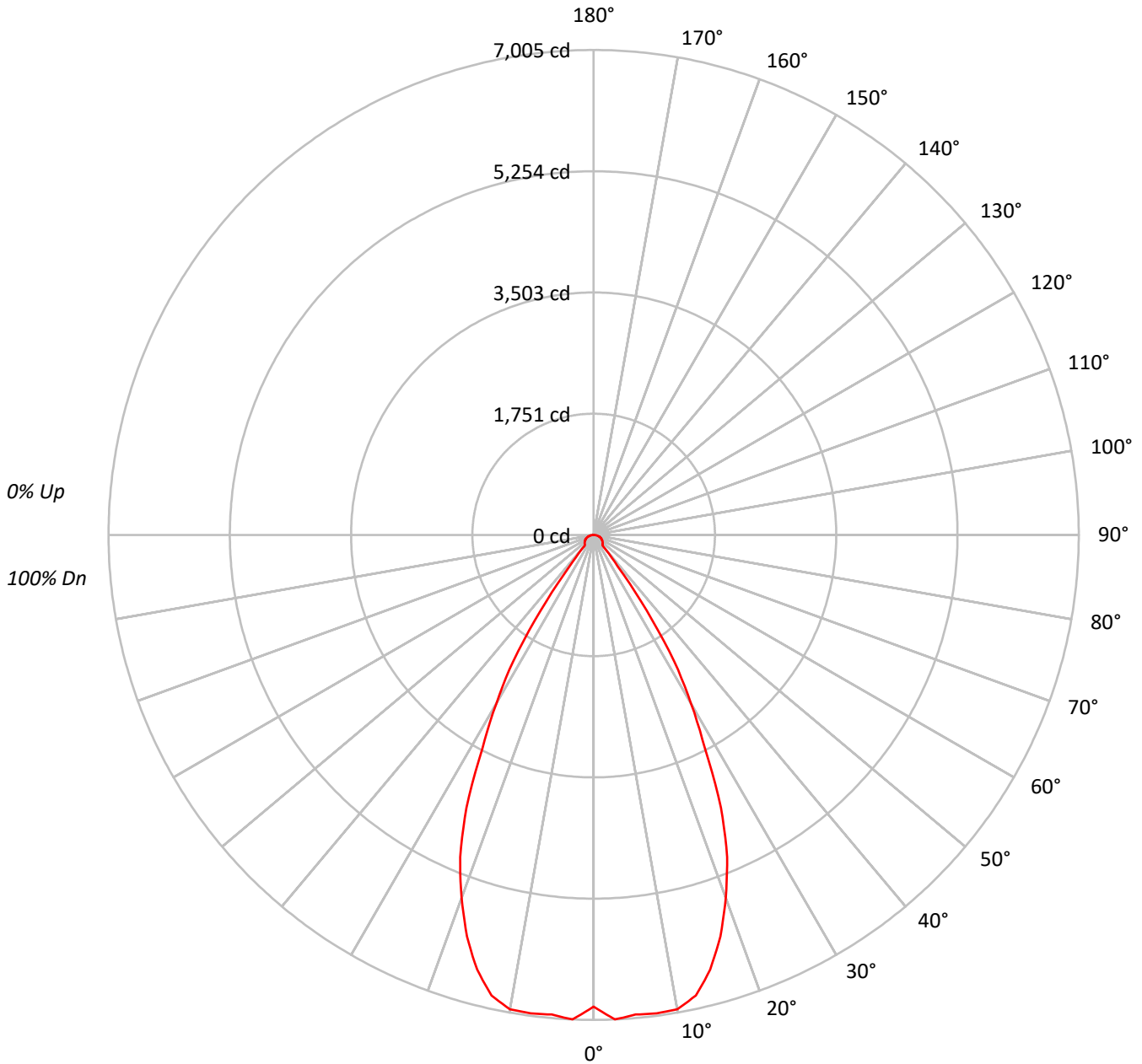
Lumens per Lamp: N/A
Luminaire Lumens: 5737.0 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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: P753490
CATALOG NUMBER: LD4D75BD010-EU4DR6070959030-4LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P753490

CATALOG NUMBER: LD4D75BD010-EU4DR6070959030-4LBSQW1B

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°	744437
5°	762745
10°	771953
15°	735395
20°	648384
25°	524430
30°	354734
35°	177759
40°	28840
45°	28230
50°	28795
55°	29221
60°	30025
65°	30714
70°	31435
75°	31830
80°	30705
85°	25574

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 31830 cd/sqm



TEST NUMBER: P753490

CATALOG NUMBER: LD4D75BD010-EU4DR6070959030-4LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	664.7	11.6
10°-20°	1798.3	31.3
20°-30°	1934.8	33.7
30°-40°	841.0	14.7
40°-50°	141.3	2.5
50°-60°	137.4	2.4
60°-70°	117.5	2.0
70°-80°	78.6	1.4
80°-90°	23.5	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°	4397.7	76.7
0°-40°	5238.8	91.3
0°-60°	5517.4	96.2
0°-90°	5737.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5737.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6813	
5°	6954	665
15°	6501	1798
25°	4350	1935
35°	1333	841
45°	183	141
55°	153	137
65°	119	117
75°	75	79
85°	20	24
90°	0	



TEST NUMBER: P753490

CATALOG NUMBER: LD4D75BD010-EU4DR6070959030-4LBSQW1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	6813.4
2.5°	7004.9
5°	6954.4
7.5°	6970.3
10°	6957.9
12.5°	6814.3
15°	6501.3
17.5°	6081.0
20°	5576.4
22.5°	5036.4
25°	4350.1
27.5°	3479.4
30°	2811.7
32.5°	2167.1
35°	1332.7
37.5°	570.1
40°	202.2
42.5°	186.2
45°	182.7
47.5°	176.5
50°	169.4
52.5°	161.4
55°	153.4
57.5°	145.4
60°	137.4
62.5°	128.6
65°	118.8
67.5°	109.1
70°	98.4
72.5°	86.9
75°	75.4
77.5°	62.1
80°	48.8
82.5°	34.6
85°	20.4
87.5°	7.1
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)