

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: P774723

Luminaire Tested: LD6D95BD010-EU6DR6570959024-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774723
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: LD6D95BD010-EU6DR6570959024-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8836.6 lumens
Efficiency: N/A
Efficacy: 89.1 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): 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

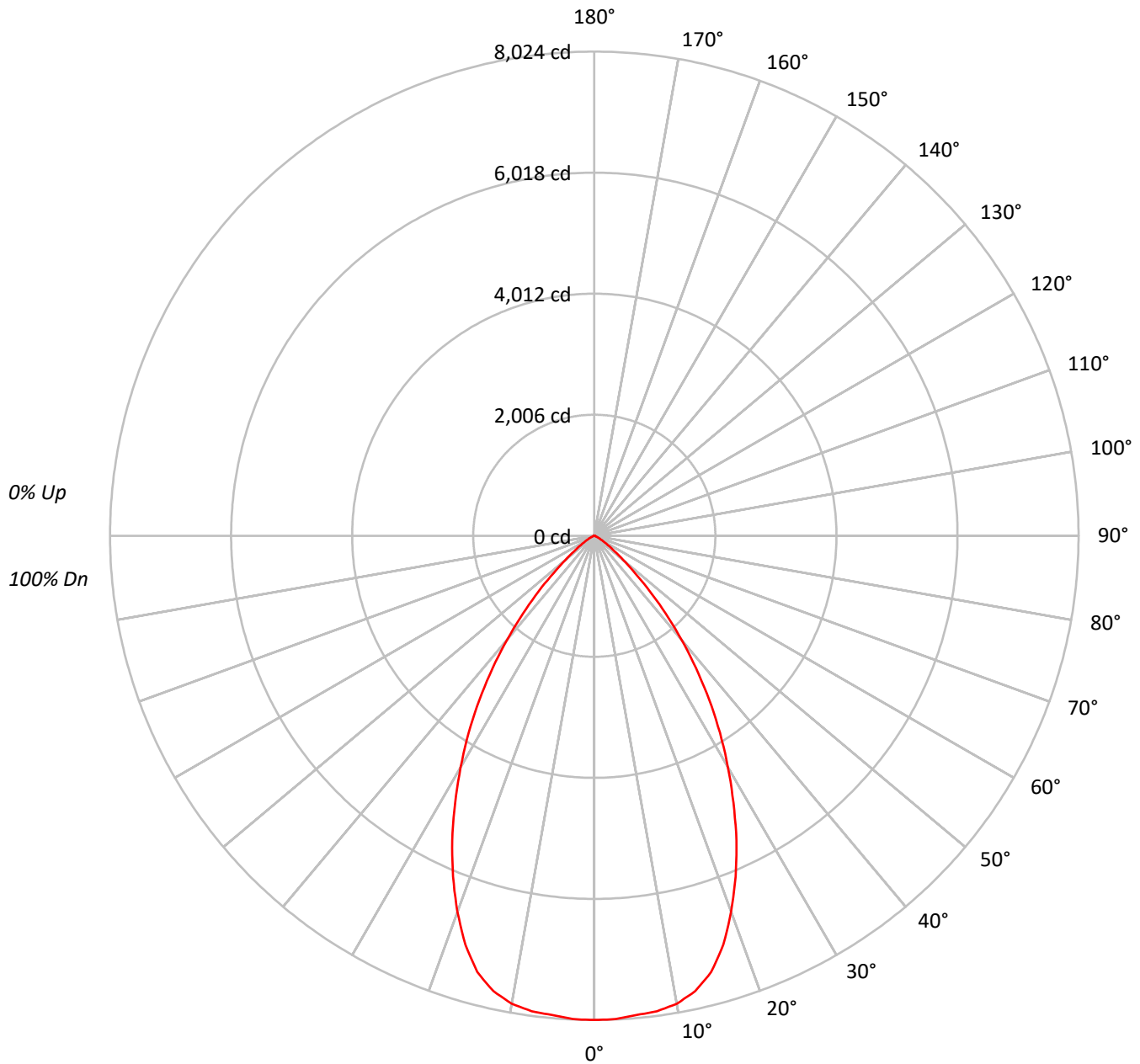


Downlight

TEST NUMBER: P774723

CATALOG NUMBER: LD6D95BD010-EU6DR6570959024-6LBS1H

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	107	105	111	108	105	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	92	97	93	90		94	91	88		91
3	101	94	88	84	99	92	87	83	90	86	82		87	84	81		85
4	95	87	81	76	93	86	80	76	84	79	75		82	77	74		80
5	90	81	74	70	88	80	74	69	78	73	69		76	72	68		75
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70
7	80	70	64	59	79	69	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	51		59	54	50		58
10	68	58	52	47	67	57	51	47	57	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	468603
5°	467421
10°	467020
15°	452622
20°	412056
25°	359081
30°	298654
35°	236638
40°	170795
45°	107903
50°	56243
55°	29896
60°	15699
65°	8637
70°	3620
75°	3994
80°	2792
85°	2345

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 107903 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	758.8	8.6
10°-20°	2077.8	23.5
20°-30°	2539.8	28.7
30°-40°	2060.7	23.3
40°-50°	1026.9	11.6
50°-60°	286.4	3.2
60°-70°	65.1	0.7
70°-80°	16.9	0.2
80°-90°	4.3	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°	5376.3	60.8
0°-40°	7437.0	84.2
0°-60°	8750.3	99.0
0°-90°	8836.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8836.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8024	
5°	7973	759
15°	7486	2078
25°	5572	2540
35°	3319	2061
45°	1306	1027
55°	294	286
65°	62	65
75°	18	17
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8023.5
2.5°	8017.6
5°	7972.8
7.5°	7946.8
10°	7874.9
12.5°	7728.7
15°	7485.8
17.5°	7106.1
20°	6629.8
22.5°	6115.7
25°	5572.2
27.5°	4990.9
30°	4428.5
32.5°	3873.2
35°	3319.0
37.5°	2766.1
40°	2240.2
42.5°	1747.4
45°	1306.4
47.5°	910.2
50°	619.0
52.5°	426.8
55°	293.6
57.5°	198.1
60°	134.4
62.5°	93.1
65°	62.5
67.5°	31.8
70°	21.2
72.5°	20.0
75°	17.7
77.5°	11.8
80°	8.3
82.5°	5.9
85°	3.5
87.5°	2.4
90°	0.0



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

Scaled Data Report





— 0°-180°







(END OF REPORT)