

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: P774784

Luminaire Tested: LD6D95BD010-EU6DR6570959050-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774784
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR6570959050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10436.9 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (A_{in}): 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

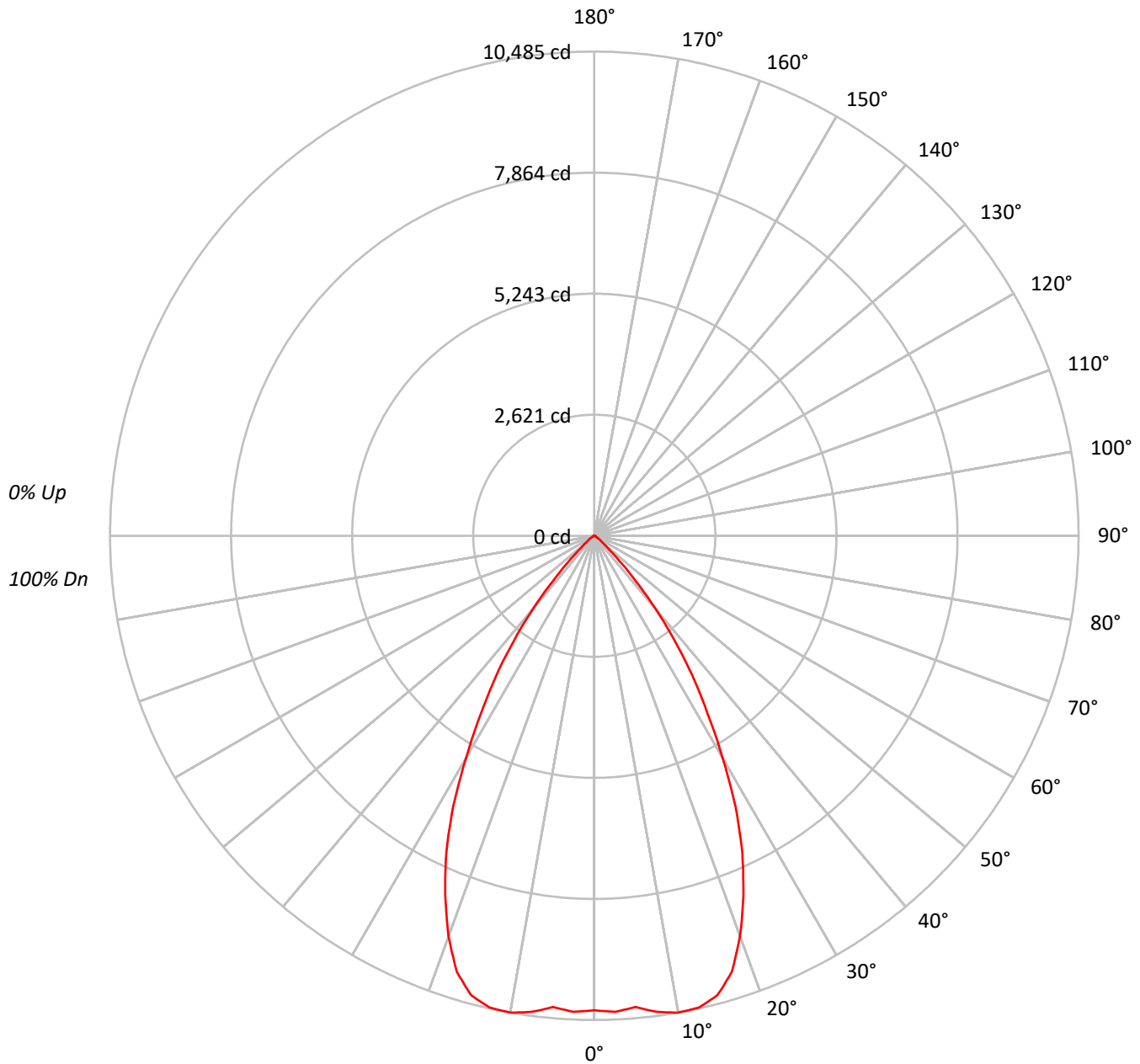


Downlight

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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87		
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80		
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69		
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65		
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60		
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57		
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53		
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1122753
5°	1123674
10°	1163238
15°	1165164
20°	1072733
25°	914019
30°	699715
35°	494343
40°	291792
45°	118454
50°	42937
55°	23926
60°	13723
65°	7549
70°	7923
75°	6163
80°	6418
85°	5516

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 118454 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	989.5	9.5
10°-20°	2854.2	27.3
20°-30°	3424.5	32.8
30°-40°	2301.4	22.1
40°-50°	688.9	6.6
50°-60°	121.6	1.2
60°-70°	34.6	0.3
70°-80°	16.9	0.2
80°-90°	5.4	0.1
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°	7268.2	69.6
0°-40°	9569.6	91.7
0°-60°	10380.0	99.5
0°-90°	10436.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10436.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10276	
5°	10245	989
15°	10301	2854
25°	7582	3425
35°	3706	2301
45°	767	689
55°	126	122
65°	29	35
75°	15	17
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10275.9
2.5°	10319.7
5°	10245.2
7.5°	10400.0
10°	10484.7
12.5°	10464.3
15°	10300.7
17.5°	9900.6
20°	9226.0
22.5°	8431.6
25°	7581.7
27.5°	6622.3
30°	5546.1
32.5°	4570.6
35°	3706.2
37.5°	2851.9
40°	2045.8
42.5°	1336.1
45°	766.6
47.5°	406.0
50°	252.6
52.5°	175.2
55°	125.6
57.5°	90.5
60°	62.8
62.5°	40.9
65°	29.2
67.5°	26.3
70°	24.8
72.5°	19.0
75°	14.6
77.5°	13.1
80°	10.2
82.5°	7.3
85°	4.4
87.5°	2.9
90°	0.0



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





— 0°-180°







(END OF REPORT)