

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: P774759

Luminaire Tested: LD6D95BD010-EU6DR6570959035-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774759
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-EU6DR6570959035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10395.1 lumens
Efficiency: N/A
Efficacy: 104.8 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 (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

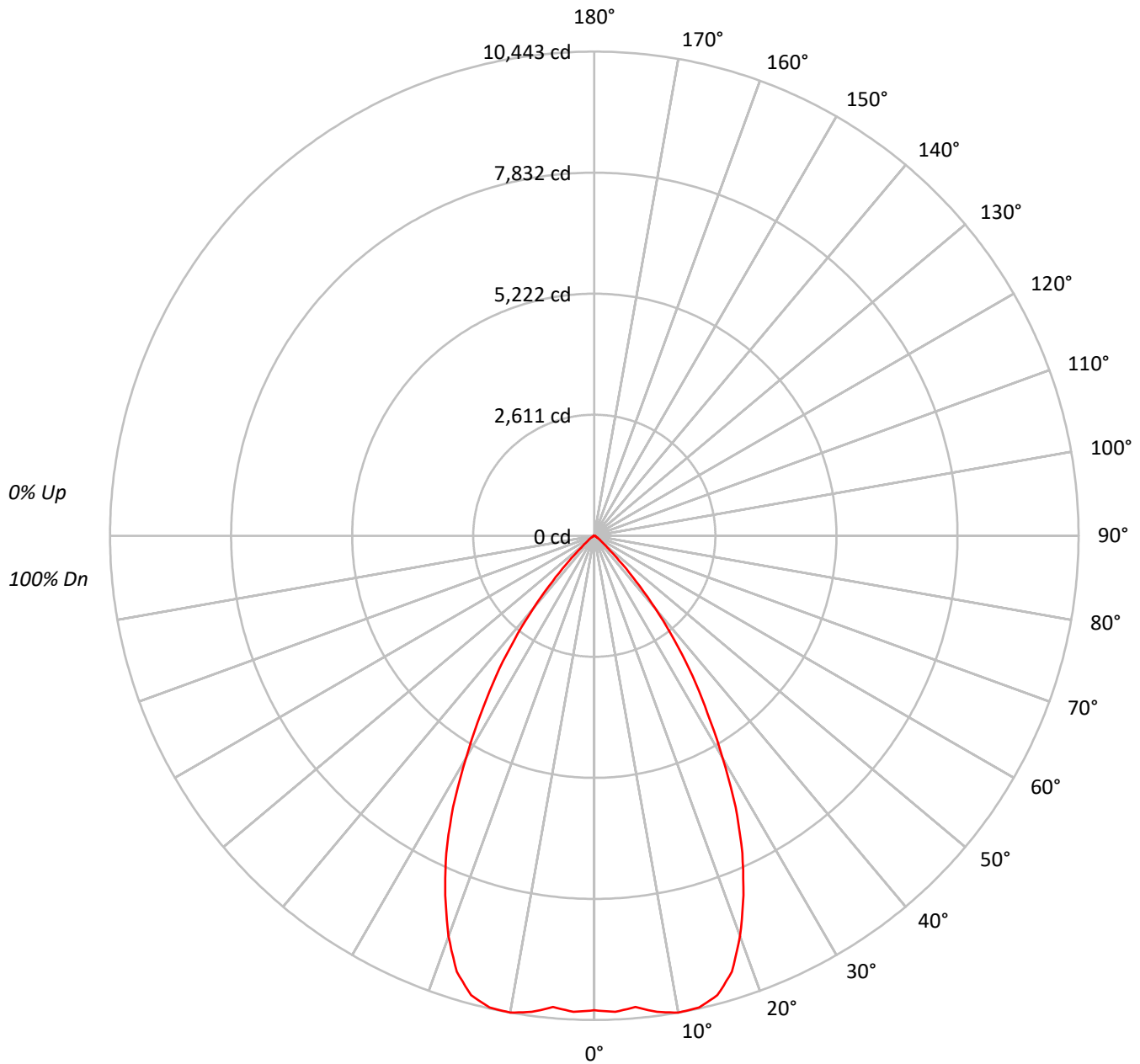


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1118251
5°	1119166
10°	1158579
15°	1160493
20°	1068431
25°	910354
30°	696902
35°	492356
40°	290622
45°	117990
50°	42767
55°	23830
60°	13658
65°	7523
70°	7891
75°	6121
80°	6418
85°	5516

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 117990 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	985.5	9.5
10°-20°	2842.8	27.3
20°-30°	3410.8	32.8
30°-40°	2292.1	22.1
40°-50°	686.2	6.6
50°-60°	121.1	1.2
60°-70°	34.4	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°	7239.0	69.6
0°-40°	9531.2	91.7
0°-60°	10338.4	99.5
0°-90°	10395.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10395.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10235	
5°	10204	986
15°	10259	2843
25°	7551	3411
35°	3691	2292
45°	764	686
55°	125	121
65°	29	34
75°	14	17
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10234.7
2.5°	10278.3
5°	10204.1
7.5°	10358.3
10°	10442.7
12.5°	10422.3
15°	10259.4
17.5°	9860.9
20°	9189.0
22.5°	8397.8
25°	7551.3
27.5°	6595.7
30°	5523.8
32.5°	4552.3
35°	3691.3
37.5°	2840.5
40°	2037.6
42.5°	1330.8
45°	763.6
47.5°	404.3
50°	251.6
52.5°	174.5
55°	125.1
57.5°	90.2
60°	62.5
62.5°	40.7
65°	29.1
67.5°	26.2
70°	24.7
72.5°	18.9
75°	14.5
77.5°	13.1
80°	10.2
82.5°	7.3
85°	4.4
87.5°	2.9
90°	0.0



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— 0°-180°







(END OF REPORT)