

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: P774785

Luminaire Tested: LD6D95BD010-EU6DR6570959050-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774785
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-EU6DR6570959050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 10958.8 lumens
Efficiency: N/A
Efficacy: 110.5 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

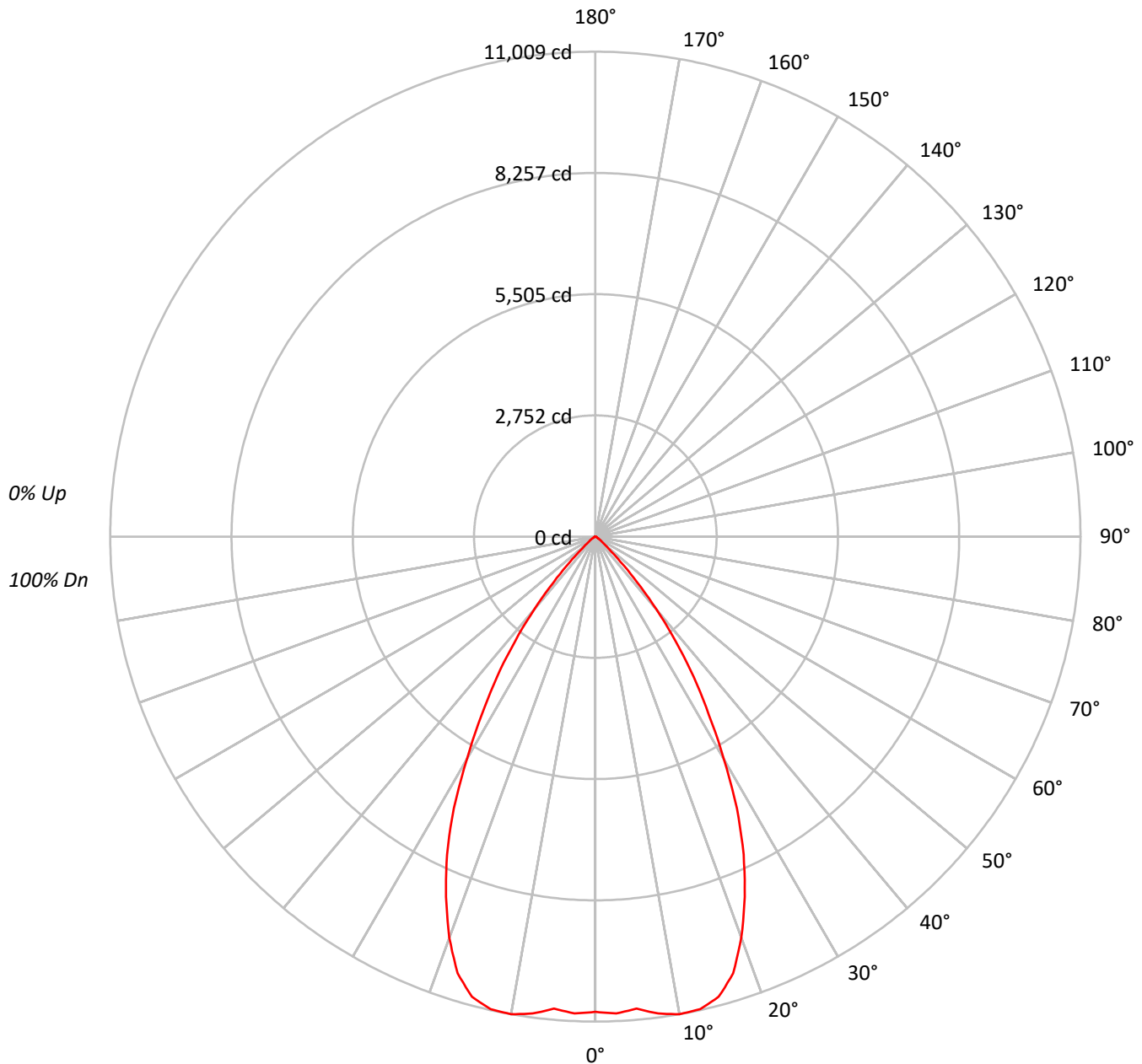


Downlight

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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°	1178891
5°	1179862
10°	1221396
15°	1223430
20°	1126370
25°	959721
30°	734700
35°	519059
40°	306383
45°	124387
50°	45096
55°	25126
60°	14401
65°	7937
70°	8338
75°	6459
80°	6733
85°	5767

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 124387 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1039.0	9.5
10°-20°	2996.9	27.3
20°-30°	3595.7	32.8
30°-40°	2416.4	22.1
40°-50°	723.4	6.6
50°-60°	127.7	1.2
60°-70°	36.3	0.3
70°-80°	17.8	0.2
80°-90°	5.6	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°	7631.6	69.6
0°-40°	10048.0	91.7
0°-60°	10899.1	99.5
0°-90°	10958.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10958.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10790	
5°	10758	###
15°	10816	2997
25°	7961	3596
35°	3892	2416
45°	805	723
55°	132	128
65°	31	36
75°	15	18
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10789.7
2.5°	10835.7
5°	10757.5
7.5°	10920.0
10°	11008.9
12.5°	10987.5
15°	10815.8
17.5°	10395.6
20°	9687.3
22.5°	8853.2
25°	7960.8
27.5°	6953.4
30°	5823.4
32.5°	4799.2
35°	3891.5
37.5°	2994.5
40°	2148.1
42.5°	1403.0
45°	805.0
47.5°	426.3
50°	265.3
52.5°	184.0
55°	131.9
57.5°	95.1
60°	65.9
62.5°	42.9
65°	30.7
67.5°	27.6
70°	26.1
72.5°	19.9
75°	15.3
77.5°	13.8
80°	10.7
82.5°	7.7
85°	4.6
87.5°	3.1
90°	0.0



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— 0°-180°







(END OF REPORT)