

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: P774641

Luminaire Tested: LD6D95BD010-EU6DR6070959024-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774641
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: LD6D95BD010-EU6DR6070959024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9607.6 lumens
Efficiency: N/A
Efficacy: 96.9 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): 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

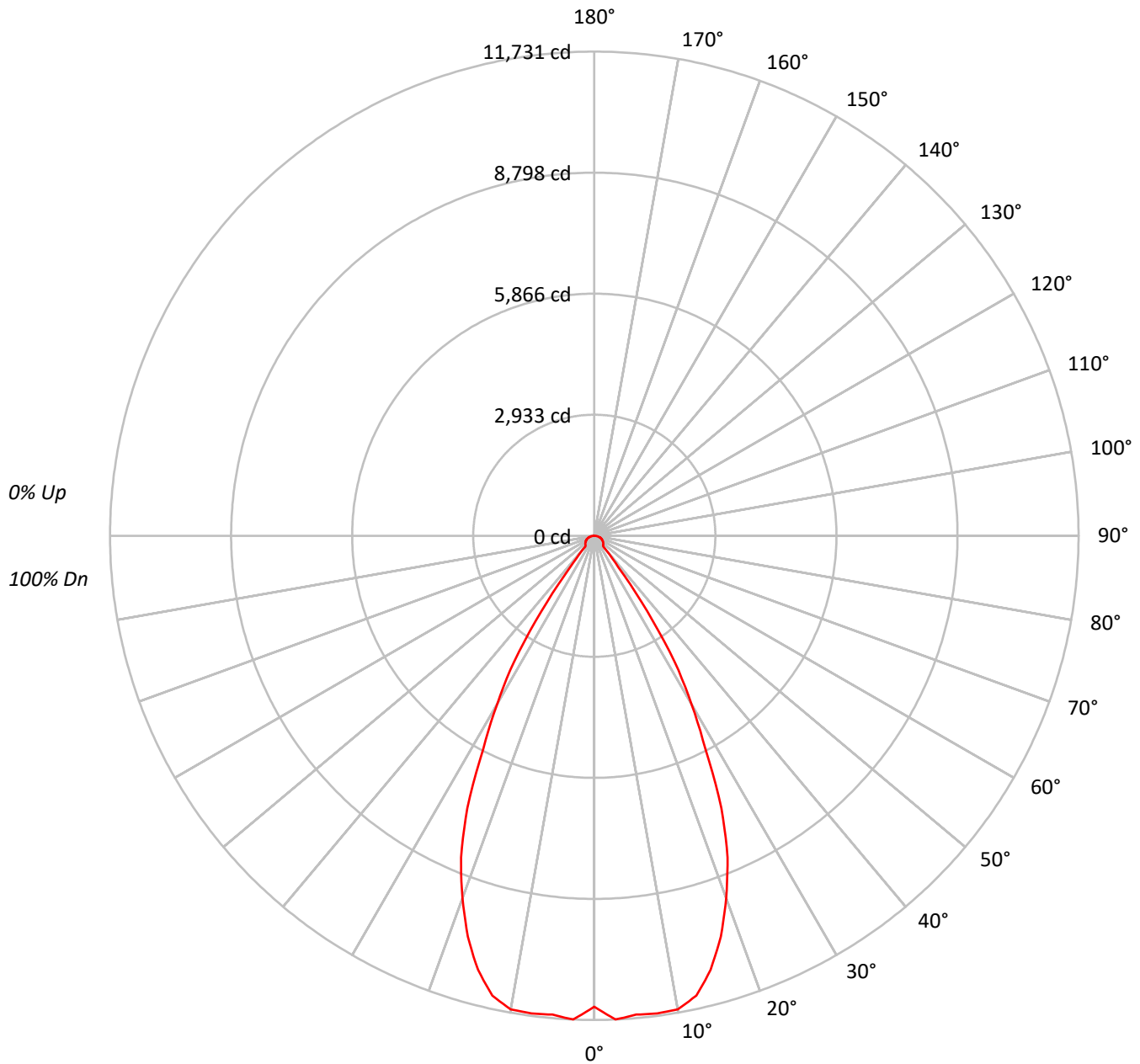


Downlight

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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	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87
4	97	89	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	78	73	69	77	72	68		75	71	68		74
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1246687
5°	1277344
10°	1292779
15°	1231540
20°	1085849
25°	878262
30°	594066
35°	297697
40°	48294
45°	47267
50°	48206
55°	48937
60°	50304
65°	51448
70°	52647
75°	53275
80°	51406
85°	42874

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 53275 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1113.1	11.6
10°-20°	3011.6	31.3
20°-30°	3240.2	33.7
30°-40°	1408.4	14.7
40°-50°	236.6	2.5
50°-60°	230.0	2.4
60°-70°	196.7	2.0
70°-80°	131.6	1.4
80°-90°	39.4	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°	7364.8	76.7
0°-40°	8773.3	91.3
0°-60°	9239.9	96.2
0°-90°	9607.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9607.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11410	
5°	11646	###
15°	10888	3012
25°	7285	3240
35°	2232	1408
45°	306	237
55°	257	230
65°	199	197
75°	126	132
85°	34	39
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11410.2
2.5°	11731.0
5°	11646.3
7.5°	11673.1
10°	11652.3
12.5°	11411.7
15°	10887.5
17.5°	10183.7
20°	9338.8
22.5°	8434.4
25°	7285.1
27.5°	5826.9
30°	4708.7
32.5°	3629.2
35°	2231.9
37.5°	954.8
40°	338.6
42.5°	311.8
45°	305.9
47.5°	295.5
50°	283.6
52.5°	270.3
55°	256.9
57.5°	243.5
60°	230.2
62.5°	215.3
65°	199.0
67.5°	182.6
70°	164.8
72.5°	145.5
75°	126.2
77.5°	103.9
80°	81.7
82.5°	57.9
85°	34.2
87.5°	11.9
90°	0.0



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— 0°-180°







(END OF REPORT)