

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: P774797

Luminaire Tested: LD6D95BD010-EU6DR7070959024-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774797
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR7070959024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9670.6 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

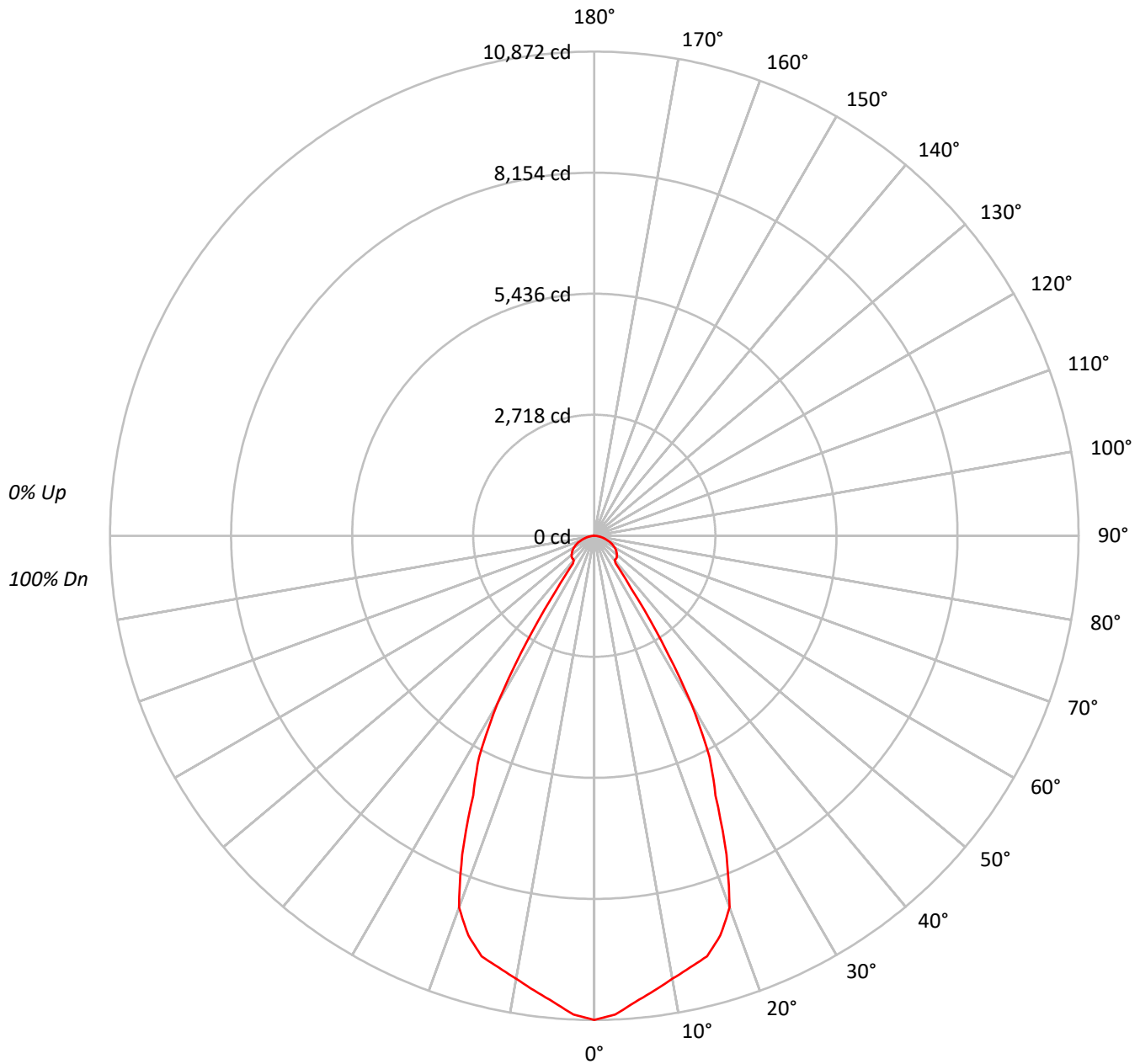


Downlight

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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	109	106	103		110	107	104	102		103	101	99		99	97	96		95	94	93
2	106	100	95	91		103	98	94	90		95	91	88		92	89	86		89	87	85
3	100	92	87	82		98	91	86	81		88	84	80		86	82	79		83	80	78
4	94	86	80	75		92	85	79	74		82	77	73		80	76	73		78	75	72
5	89	80	74	69		87	79	73	69		77	72	68		75	71	67		74	70	67
6	85	75	68	64		83	74	68	64		73	67	63		71	66	63		70	66	62
7	80	70	64	59		79	70	64	59		68	63	59		67	62	59		66	62	58
8	77	66	60	56		75	66	60	56		65	59	55		64	59	55		63	58	55
9	73	63	57	52		72	62	56	52		61	56	52		60	55	52		60	55	52
10	70	59	53	49		69	59	53	49		58	53	49		57	52	49		57	52	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1187938
5°	1152640
10°	1120513
15°	1105813
20°	1032596
25°	775741
30°	548382
35°	194245
40°	102137
45°	108796
50°	112645
55°	114770
60°	115489
65°	113031
70°	106699
75°	98826
80°	87712
85°	71206

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 115524 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	991.2	10.3
10°-20°	2719.0	28.1
20°-30°	2994.6	31.0
30°-40°	1144.1	11.8
40°-50°	540.2	5.6
50°-60°	537.1	5.6
60°-70°	430.0	4.4
70°-80°	247.1	2.6
80°-90°	67.2	0.7
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°	6704.8	69.3
0°-40°	7848.9	81.2
0°-60°	8926.2	92.3
0°-90°	9670.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9670.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10872	
5°	10509	991
15°	9776	2719
25°	6435	2995
35°	1456	1144
45°	704	540
55°	602	537
65°	437	430
75°	234	247
85°	57	67
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10872.5
2.5°	10758.9
5°	10509.3
7.5°	10301.0
10°	10099.6
12.5°	9929.2
15°	9776.0
17.5°	9405.9
20°	8880.8
22.5°	7748.1
25°	6434.7
27.5°	5601.5
30°	4346.6
32.5°	2807.6
35°	1456.3
37.5°	786.7
40°	716.1
42.5°	710.9
45°	704.1
47.5°	688.6
50°	662.7
52.5°	633.5
55°	602.5
57.5°	568.1
60°	528.5
62.5°	483.7
65°	437.2
67.5°	385.6
70°	334.0
72.5°	282.3
75°	234.1
77.5°	184.2
80°	139.4
82.5°	98.1
85°	56.8
87.5°	22.4
90°	0.0



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— 0°-180°







(END OF REPORT)