

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: P774707

Luminaire Tested: LD6D95BD010-EU6DR6070959050-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774707
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-EU6DR6070959050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12542.0 lumens
Efficiency: N/A
Efficacy: 126.4 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

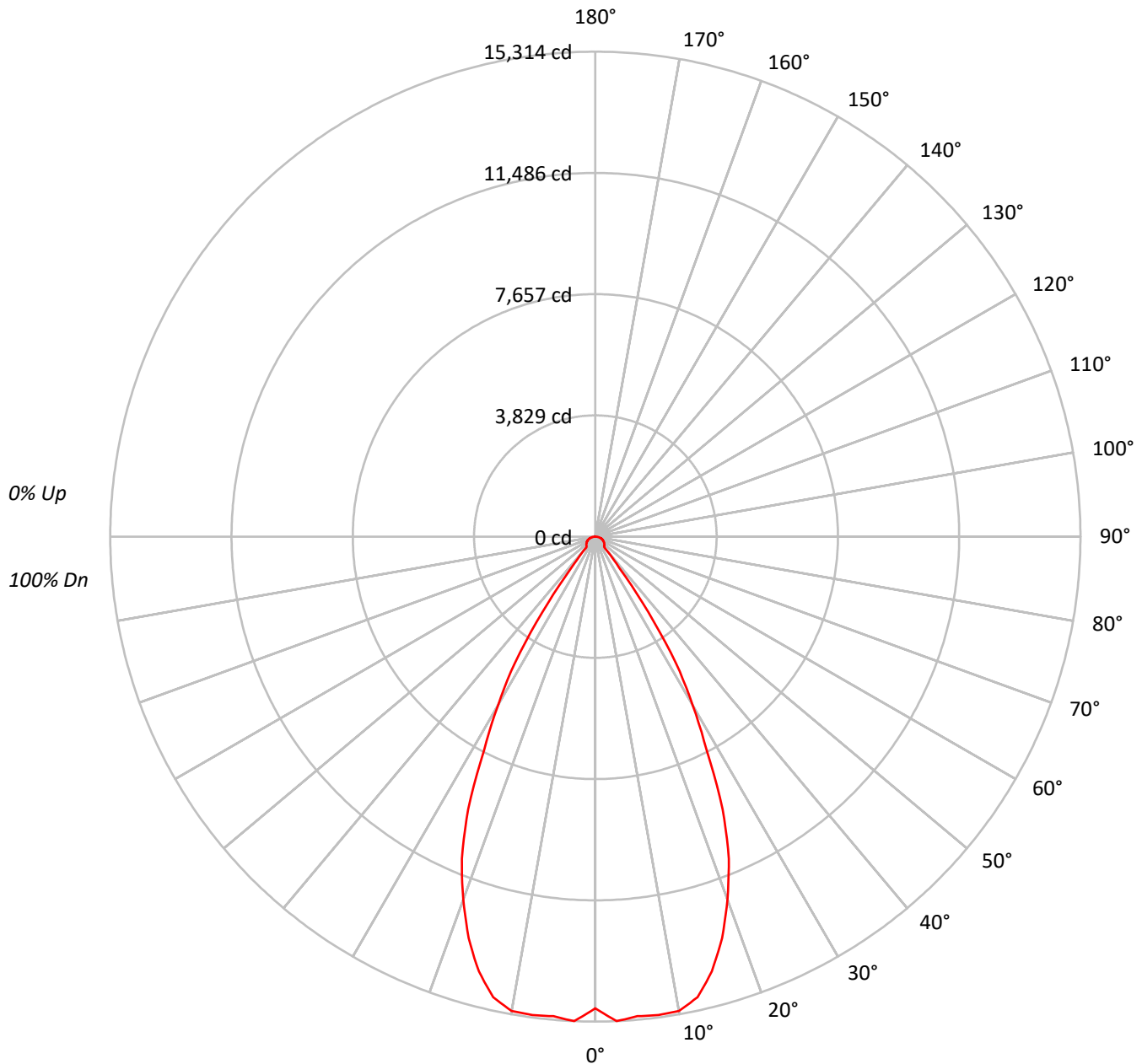


Downlight

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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°	1627461
5°	1667480
10°	1687615
15°	1607682
20°	1417483
25°	1146499
30°	775514
35°	388611
40°	63042
45°	61699
50°	62926
55°	63890
60°	65666
65°	67167
70°	68747
75°	69571
80°	67074
85°	55912

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 69571 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1453.1	11.6
10°-20°	3931.3	31.3
20°-30°	4229.8	33.7
30°-40°	1838.6	14.7
40°-50°	308.8	2.5
50°-60°	300.3	2.4
60°-70°	256.8	2.0
70°-80°	171.9	1.4
80°-90°	51.4	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°	9614.2	76.7
0°-40°	11452.8	91.3
0°-60°	12061.9	96.2
0°-90°	12542.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12542.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14895	
5°	15203	###
15°	14213	3931
25°	9510	4230
35°	2914	1839
45°	399	309
55°	335	300
65°	260	257
75°	165	172
85°	45	51
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14895.2
2.5°	15313.9
5°	15203.4
7.5°	15238.3
10°	15211.1
12.5°	14897.1
15°	14212.8
17.5°	13294.0
20°	12191.0
22.5°	11010.5
25°	9510.1
27.5°	7606.5
30°	6146.9
32.5°	4737.6
35°	2913.5
37.5°	1246.4
40°	442.0
42.5°	407.1
45°	399.3
47.5°	385.8
50°	370.2
52.5°	352.8
55°	335.4
57.5°	317.9
60°	300.5
62.5°	281.1
65°	259.8
67.5°	238.4
70°	215.2
72.5°	190.0
75°	164.8
77.5°	135.7
80°	106.6
82.5°	75.6
85°	44.6
87.5°	15.5
90°	0.0



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— 0°-180°







(END OF REPORT)