

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: P774850

Luminaire Tested: LD6D95BD010-EU6DR7070959040-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774850
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-EU6DR7070959040-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12534.6 lumens
Efficiency: N/A
Efficacy: 126.4 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

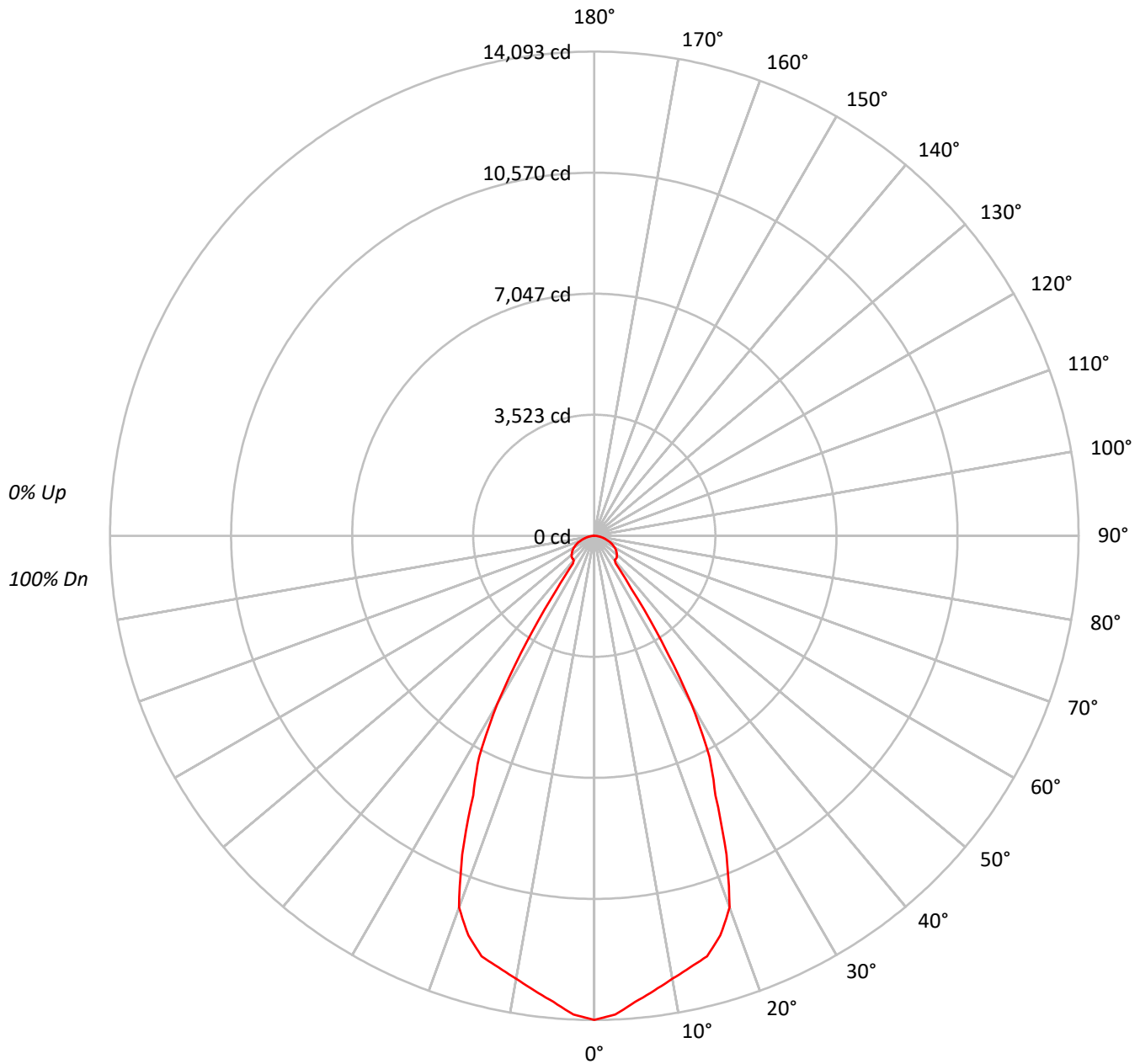


Downlight

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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°	1539768
5°	1494013
10°	1452364
15°	1433315
20°	1338417
25°	1005484
30°	710792
35°	251773
40°	132389
45°	141013
50°	146012
55°	148754
60°	149687
65°	146511
70°	138293
75°	128081
80°	113698
85°	92267

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 149728 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1284.8	10.3
10°-20°	3524.2	28.1
20°-30°	3881.5	31.0
30°-40°	1483.0	11.8
40°-50°	700.2	5.6
50°-60°	696.1	5.6
60°-70°	557.4	4.4
70°-80°	320.3	2.6
80°-90°	87.1	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°	8690.5	69.3
0°-40°	10173.5	81.2
0°-60°	11569.9	92.3
0°-90°	12534.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12534.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14093	
5°	13622	###
15°	12671	3524
25°	8340	3881
35°	1888	1483
45°	913	700
55°	781	696
65°	567	557
75°	303	320
85°	74	87
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	14092.6
2.5°	13945.3
5°	13621.8
7.5°	13351.8
10°	13090.7
12.5°	12869.8
15°	12671.3
17.5°	12191.5
20°	11511.0
22.5°	10042.9
25°	8340.4
27.5°	7260.5
30°	5633.9
32.5°	3639.2
35°	1887.6
37.5°	1019.7
40°	928.2
42.5°	921.5
45°	912.6
47.5°	892.5
50°	859.0
52.5°	821.1
55°	780.9
57.5°	736.3
60°	685.0
62.5°	627.0
65°	566.7
67.5°	499.8
70°	432.9
72.5°	365.9
75°	303.4
77.5°	238.7
80°	180.7
82.5°	127.2
85°	73.6
87.5°	29.0
90°	0.0



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— 0°-180°







(END OF REPORT)