

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: P774746

Luminaire Tested: LD6D95BD010-EU6DR6570959030-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774746
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-EU6DR6570959030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10286.8 lumens
Efficiency: N/A
Efficacy: 103.7 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

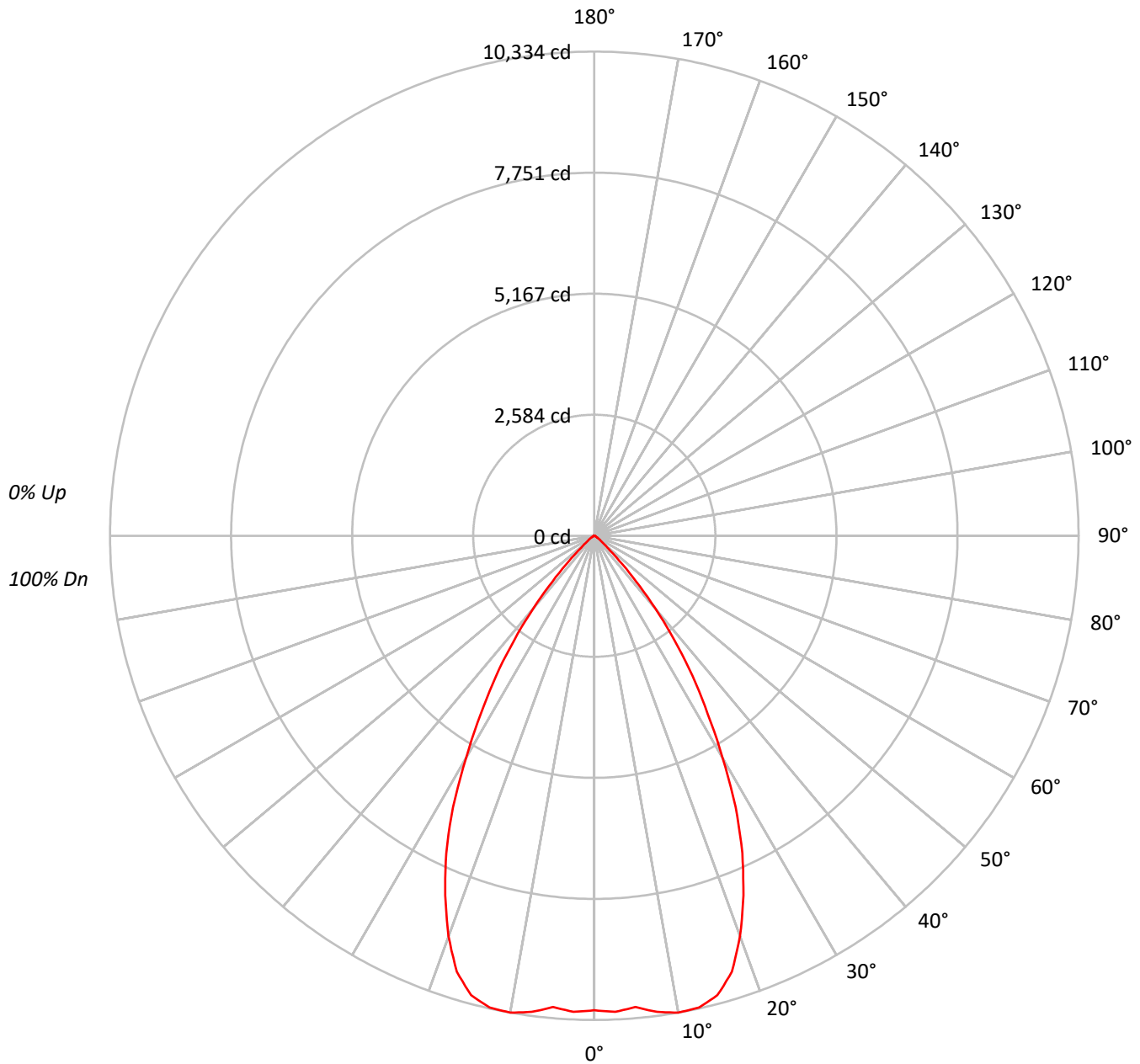


Downlight

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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	111	108	106		111	108	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95		106	101	97	94		98	95	92		95	92	90		92	90	88
3	102	96	91	87		100	94	90	86		92	88	85		89	86	83		87	84	82
4	97	89	84	79		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	83	78	73		90	83	77	73		81	76	72		79	75	72		77	74	71
6	87	78	72	68		86	77	72	68		76	71	67		74	70	67		73	69	66
7	83	73	67	63		81	73	67	63		71	66	62		70	66	62		69	65	62
8	79	69	63	59		77	68	63	59		67	62	58		66	62	58		65	61	58
9	75	65	59	55		74	65	59	55		64	58	55		63	58	55		62	58	54
10	71	61	56	52		70	61	55	52		60	55	51		59	55	51		59	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1106593
5°	1107508
10°	1146497
15°	1148401
20°	1057292
25°	900866
30°	689647
35°	487221
40°	287599
45°	116754
50°	42325
55°	23583
60°	13526
65°	7446
70°	7827
75°	6079
80°	6355
85°	5391

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 116754 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	975.2	9.5
10°-20°	2813.1	27.3
20°-30°	3375.2	32.8
30°-40°	2268.2	22.1
40°-50°	679.0	6.6
50°-60°	119.8	1.2
60°-70°	34.1	0.3
70°-80°	16.7	0.2
80°-90°	5.3	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°	7163.6	69.6
0°-40°	9431.8	91.7
0°-60°	10230.7	99.5
0°-90°	10286.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10286.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10128	
5°	10098	975
15°	10152	2813
25°	7473	3375
35°	3653	2268
45°	756	679
55°	124	120
65°	29	34
75°	14	17
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10128.0
2.5°	10171.2
5°	10097.8
7.5°	10250.3
10°	10333.8
12.5°	10313.7
15°	10152.5
17.5°	9758.1
20°	9093.2
22.5°	8310.2
25°	7472.6
27.5°	6527.0
30°	5466.3
32.5°	4504.8
35°	3652.8
37.5°	2810.9
40°	2016.4
42.5°	1316.9
45°	755.6
47.5°	400.1
50°	249.0
52.5°	172.7
55°	123.8
57.5°	89.2
60°	61.9
62.5°	40.3
65°	28.8
67.5°	25.9
70°	24.5
72.5°	18.7
75°	14.4
77.5°	13.0
80°	10.1
82.5°	7.2
85°	4.3
87.5°	2.9
90°	0.0



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— 0°-180°







(END OF REPORT)