

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: P774786

Luminaire Tested: LD6D95BD010-EU6DR6570959050-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774786
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-EU6DR6570959050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9004.9 lumens
Efficiency: N/A
Efficacy: 90.8 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

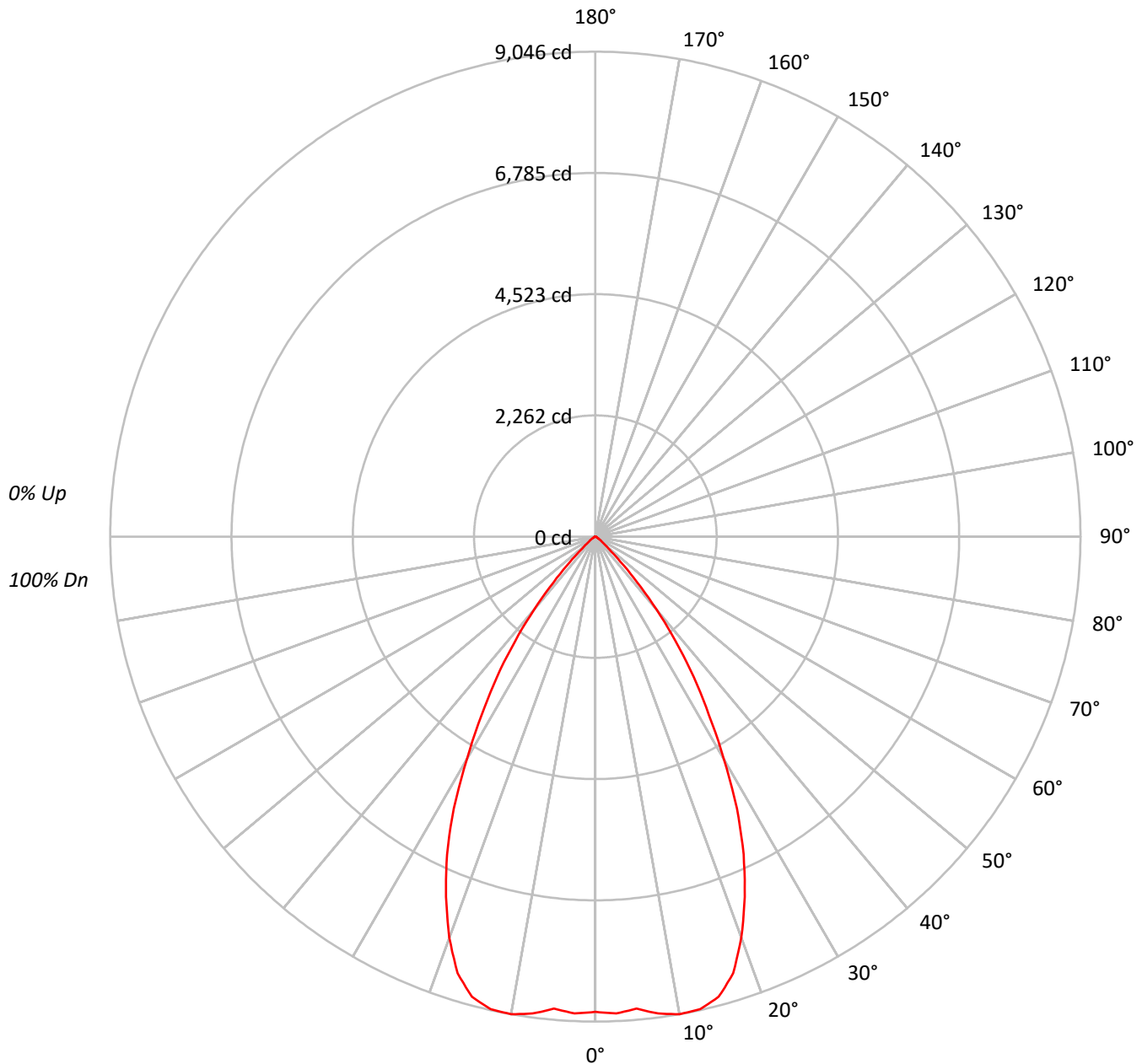


Downlight

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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°	968706
5°	969500
10°	1003631
15°	1005299
20°	925544
25°	788604
30°	603705
35°	426505
40°	251756
45°	102214
50°	37056
55°	20649
60°	11844
65°	6515
70°	6836
75°	5319
80°	5537
85°	4764

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 102214 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	853.7	9.5
10°-20°	2462.6	27.3
20°-30°	2954.6	32.8
30°-40°	1985.6	22.0
40°-50°	594.4	6.6
50°-60°	104.9	1.2
60°-70°	29.8	0.3
70°-80°	14.6	0.2
80°-90°	4.6	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°	6270.9	69.6
0°-40°	8256.5	91.7
0°-60°	8955.9	99.5
0°-90°	9004.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9004.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8866	
5°	8840	854
15°	8887	2463
25°	6541	2955
35°	3198	1986
45°	662	594
55°	108	105
65°	25	30
75°	13	15
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8866.0
2.5°	8903.8
5°	8839.5
7.5°	8973.1
10°	9046.1
12.5°	9028.5
15°	8887.4
17.5°	8542.2
20°	7960.1
22.5°	7274.7
25°	6541.4
27.5°	5713.7
30°	4785.1
32.5°	3943.5
35°	3197.6
37.5°	2460.6
40°	1765.1
42.5°	1152.8
45°	661.5
47.5°	350.3
50°	218.0
52.5°	151.2
55°	108.4
57.5°	78.1
60°	54.2
62.5°	35.3
65°	25.2
67.5°	22.7
70°	21.4
72.5°	16.4
75°	12.6
77.5°	11.3
80°	8.8
82.5°	6.3
85°	3.8
87.5°	2.5
90°	0.0



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— 0°-180°







(END OF REPORT)