

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: P774708

Luminaire Tested: LD6D95BD010-EU6DR6070959050-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774708
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-EU6DR6070959050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10817.2 lumens
Efficiency: N/A
Efficacy: 109.0 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 (A_{in}): 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

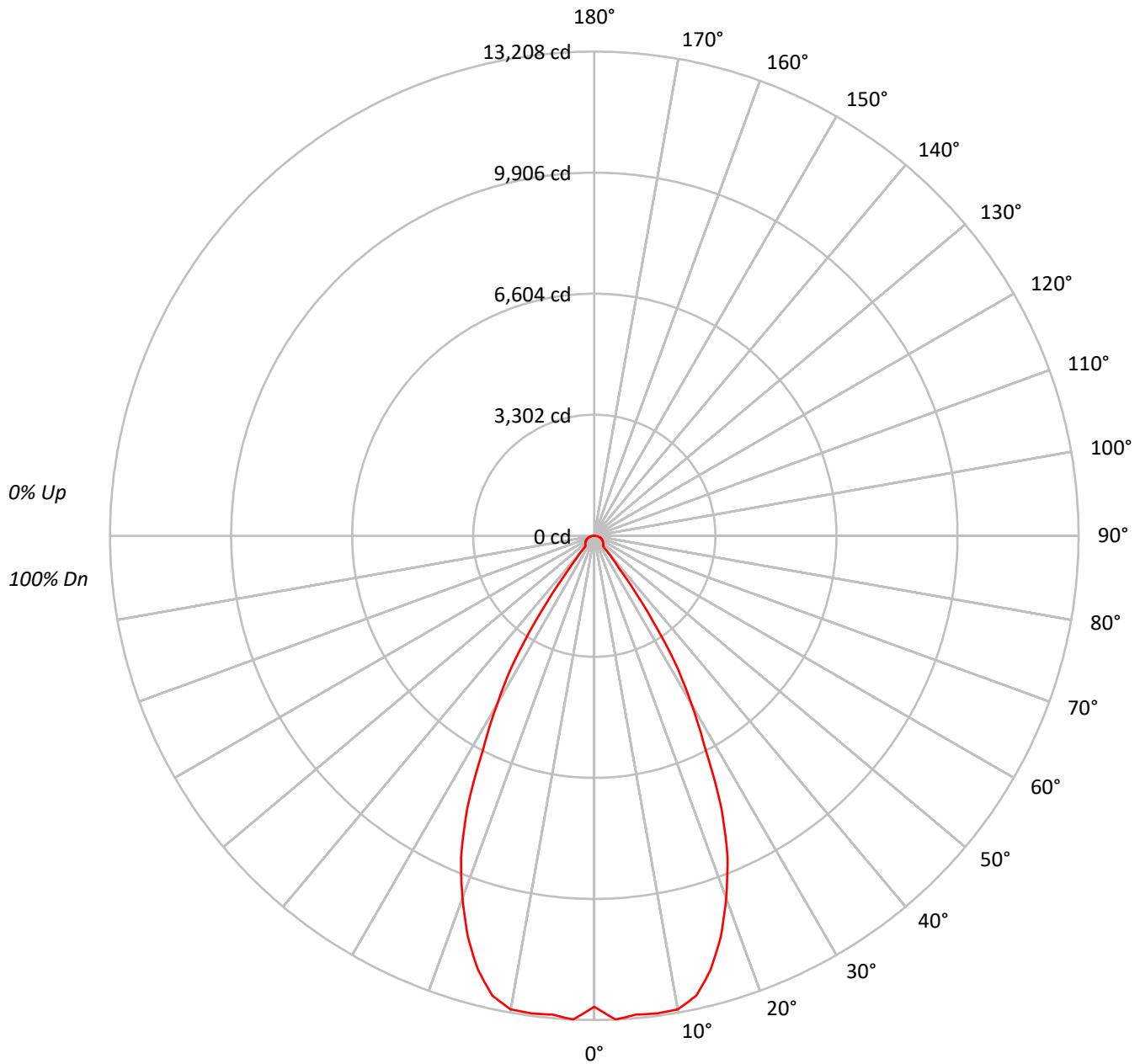


Downlight

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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	110	108	105		111	108	106	104		104	102	100		100	99	97		97	96	95
2	107	102	98	95		105	101	97	94		97	94	92		94	92	90		92	90	88
3	102	96	90	86		100	94	89	86		91	88	84		89	86	83		87	84	82
4	97	89	84	80		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	84	78	74		91	83	78	74		81	77	73		80	76	72		78	75	72
6	88	79	73	69		87	78	73	69		77	72	68		75	71	68		74	70	67
7	84	75	69	65		83	74	68	64		73	68	64		72	67	64		71	67	63
8	80	71	65	61		79	70	65	61		69	64	60		68	64	60		67	63	60
9	77	67	61	57		75	67	61	57		66	61	57		65	60	57		64	60	57
10	73	64	58	54		72	63	58	54		62	58	54		62	57	54		61	57	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1403662
5°	1438176
10°	1455549
15°	1386598
20°	1222563
25°	988836
30°	668868
35°	335178
40°	54370
45°	53216
50°	54274
55°	55090
60°	56619
65°	57911
70°	59291
75°	59988
80°	57887
85°	48265

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 59988 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1253.2	11.6
10°-20°	3390.7	31.3
20°-30°	3648.1	33.7
30°-40°	1585.8	14.7
40°-50°	266.3	2.5
50°-60°	259.0	2.4
60°-70°	221.5	2.0
70°-80°	148.2	1.4
80°-90°	44.4	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°	8292.1	76.7
0°-40°	9877.9	91.3
0°-60°	10403.2	96.2
0°-90°	10817.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10817.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12847	
5°	13113	###
15°	12258	3391
25°	8202	3648
35°	2513	1586
45°	344	266
55°	289	259
65°	224	221
75°	142	148
85°	38	44
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12846.9
2.5°	13208.0
5°	13112.7
7.5°	13142.8
10°	13119.4
12.5°	12848.5
15°	12258.3
17.5°	11465.9
20°	10514.6
22.5°	9496.4
25°	8202.3
27.5°	6560.5
30°	5301.6
32.5°	4086.1
35°	2512.9
37.5°	1075.0
40°	381.2
42.5°	351.1
45°	344.4
47.5°	332.7
50°	319.3
52.5°	304.3
55°	289.2
57.5°	274.2
60°	259.1
62.5°	242.4
65°	224.0
67.5°	205.6
70°	185.6
72.5°	163.8
75°	142.1
77.5°	117.0
80°	92.0
82.5°	65.2
85°	38.5
87.5°	13.4
90°	0.0



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— 0°-180°







(END OF REPORT)