

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: P774695

Luminaire Tested: LD6D95BD010-EU6DR6070959040-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774695
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-EU6DR6070959040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10740.5 lumens
Efficiency: N/A
Efficacy: 108.3 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

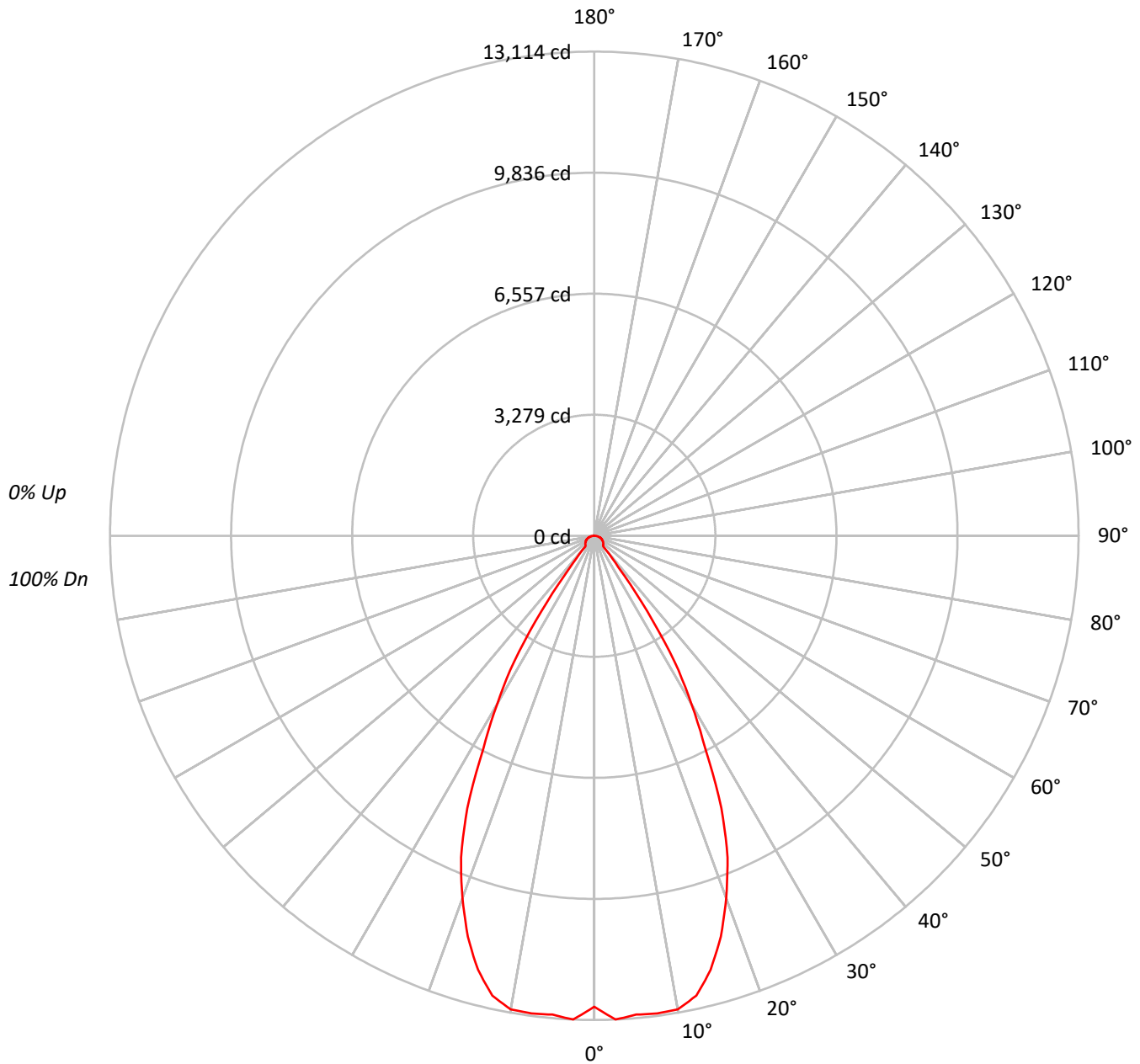


Downlight

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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°	1393697
5°	1427976
10°	1445219
15°	1376769
20°	1213889
25°	981831
30°	664124
35°	332790
40°	53985
45°	52845
50°	53901
55°	54709
60°	56226
65°	57498
70°	58876
75°	59566
80°	57447
85°	47889

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 59566 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1244.4	11.6
10°-20°	3366.7	31.3
20°-30°	3622.3	33.7
30°-40°	1574.5	14.7
40°-50°	264.5	2.5
50°-60°	257.1	2.4
60°-70°	219.9	2.0
70°-80°	147.2	1.4
80°-90°	44.0	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°	8233.3	76.7
0°-40°	9807.8	91.3
0°-60°	10329.4	96.2
0°-90°	10740.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10740.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12756	
5°	13020	###
15°	12171	3367
25°	8144	3622
35°	2495	1575
45°	342	264
55°	287	257
65°	222	220
75°	141	147
85°	38	44
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12755.7
2.5°	13114.3
5°	13019.7
7.5°	13049.6
10°	13026.3
12.5°	12757.4
15°	12171.4
17.5°	11384.6
20°	10440.0
22.5°	9429.0
25°	8144.2
27.5°	6514.0
30°	5264.0
32.5°	4057.1
35°	2495.0
37.5°	1067.4
40°	378.5
42.5°	348.6
45°	342.0
47.5°	330.3
50°	317.1
52.5°	302.1
55°	287.2
57.5°	272.2
60°	257.3
62.5°	240.7
65°	222.4
67.5°	204.2
70°	184.3
72.5°	162.7
75°	141.1
77.5°	116.2
80°	91.3
82.5°	64.7
85°	38.2
87.5°	13.3
90°	0.0



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— 0°-180°







(END OF REPORT)