

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: P774825

Luminaire Tested: LD6D95BD010-EU6DR7070959030-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774825
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-EU6DR7070959030-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8815.2 lumens
Efficiency: N/A
Efficacy: 88.9 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

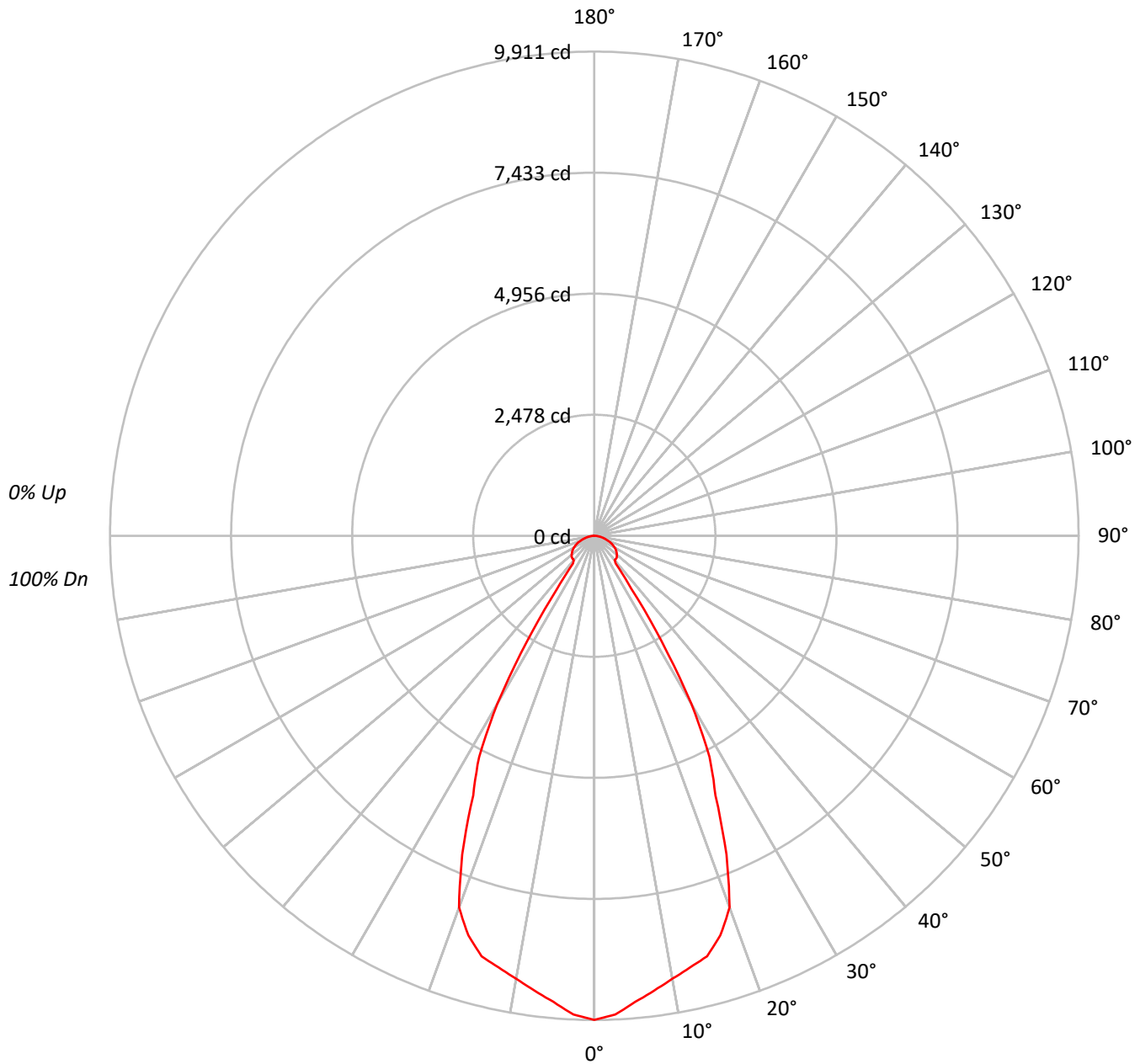


Downlight

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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°	1082861
5°	1050683
10°	1021405
15°	1008002
20°	941264
25°	707121
30°	499872
35°	177066
40°	93109
45°	99170
50°	102685
55°	104617
60°	105262
65°	103051
70°	97243
75°	90087
80°	79972
85°	64938

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 105295 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	903.6	10.3
10°-20°	2478.5	28.1
20°-30°	2729.7	31.0
30°-40°	1042.9	11.8
40°-50°	492.5	5.6
50°-60°	489.6	5.6
60°-70°	392.0	4.4
70°-80°	225.3	2.6
80°-90°	61.2	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°	6111.7	69.3
0°-40°	7154.7	81.2
0°-60°	8136.7	92.3
0°-90°	8815.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8815.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9911	
5°	9580	904
15°	8911	2478
25°	5866	2730
35°	1328	1043
45°	642	492
55°	549	490
65°	399	392
75°	213	225
85°	52	61
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9910.8
2.5°	9807.3
5°	9579.7
7.5°	9389.9
10°	9206.3
12.5°	9050.9
15°	8911.3
17.5°	8573.9
20°	8095.3
22.5°	7062.8
25°	5865.5
27.5°	5106.0
30°	3962.1
32.5°	2559.3
35°	1327.5
37.5°	717.1
40°	652.8
42.5°	648.1
45°	641.8
47.5°	627.7
50°	604.1
52.5°	577.5
55°	549.2
57.5°	517.8
60°	481.7
62.5°	440.9
65°	398.6
67.5°	351.5
70°	304.4
72.5°	257.3
75°	213.4
77.5°	167.9
80°	127.1
82.5°	89.4
85°	51.8
87.5°	20.4
90°	0.0



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— 0°-180°







(END OF REPORT)