

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: P774643

Luminaire Tested: LD6D95BD010-EU6DR6070959024-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774643
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-EU6DR6070959024-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8700.7 lumens
Efficiency: N/A
Efficacy: 87.7 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

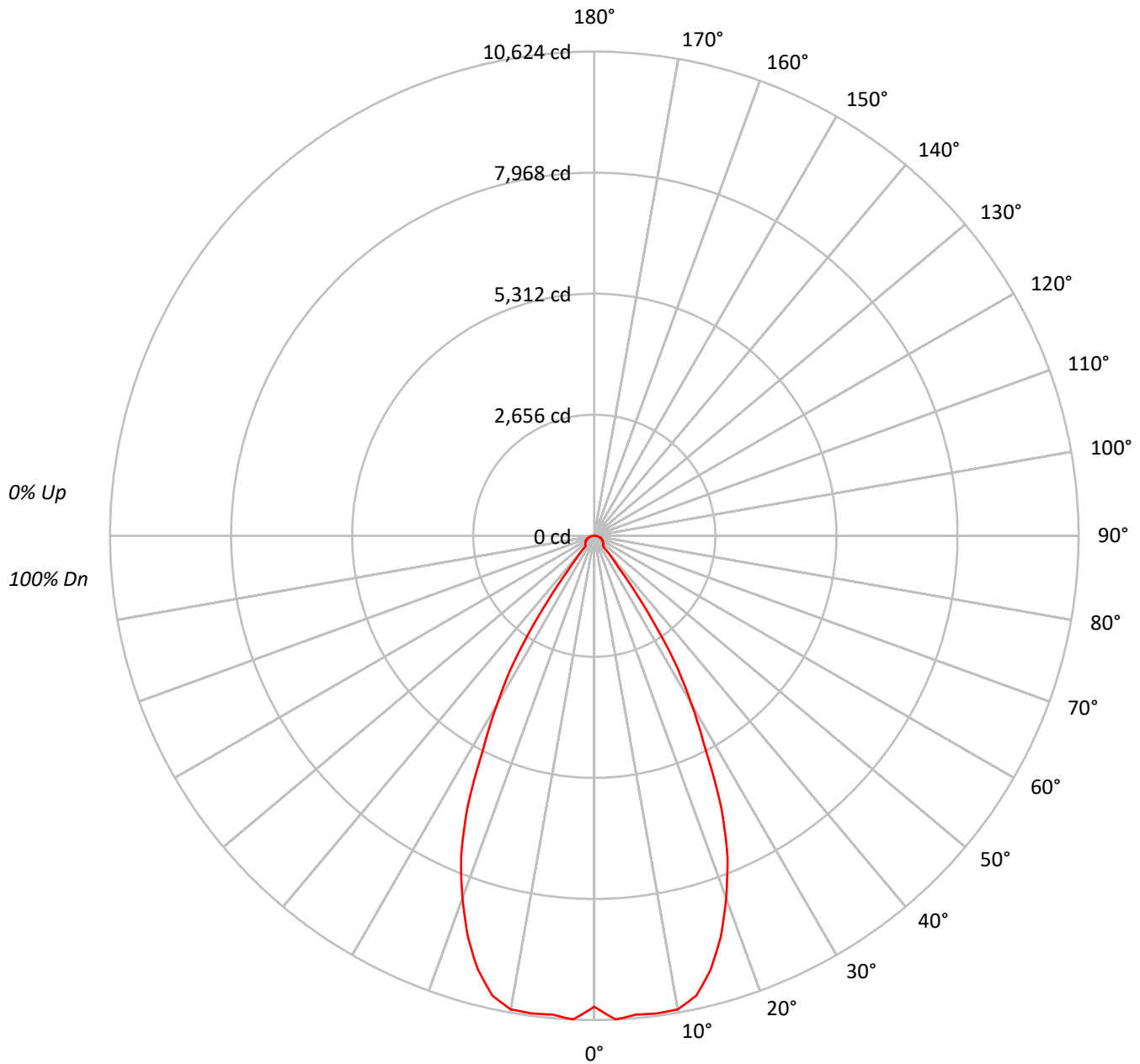


Downlight

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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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1129013
5°	1156775
10°	1170750
15°	1115303
20°	983355
25°	795356
30°	537999
35°	269593
40°	43730
45°	42801
50°	43668
55°	44308
60°	45540
65°	46588
70°	47695
75°	48252
80°	46561
85°	38737

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 48252 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1008.0	11.6
10°-20°	2727.3	31.3
20°-30°	2934.3	33.7
30°-40°	1275.5	14.7
40°-50°	214.2	2.5
50°-60°	208.3	2.4
60°-70°	178.2	2.0
70°-80°	119.2	1.4
80°-90°	35.7	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°	6669.7	76.7
0°-40°	7945.2	91.3
0°-60°	8367.7	96.2
0°-90°	8700.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8700.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10333	
5°	10547	###
15°	9860	2727
25°	6597	2934
35°	2021	1275
45°	277	214
55°	233	208
65°	180	178
75°	114	119
85°	31	36
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10333.2
2.5°	10623.7
5°	10547.0
7.5°	10571.2
10°	10552.4
12.5°	10334.6
15°	9859.9
17.5°	9222.4
20°	8457.3
22.5°	7638.3
25°	6597.4
27.5°	5276.9
30°	4264.3
32.5°	3286.6
35°	2021.2
37.5°	864.7
40°	306.6
42.5°	282.4
45°	277.0
47.5°	267.6
50°	256.9
52.5°	244.7
55°	232.6
57.5°	220.5
60°	208.4
62.5°	195.0
65°	180.2
67.5°	165.4
70°	149.3
72.5°	131.8
75°	114.3
77.5°	94.1
80°	74.0
82.5°	52.4
85°	30.9
87.5°	10.8
90°	0.0



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— 0°-180°







(END OF REPORT)