

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: P772424

Luminaire Tested: LD6D80BD010-EU6DR6570959035-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772424
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D80BD010-EU6DR6570959035-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8560.4 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

Input Watts (W): 78.9
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

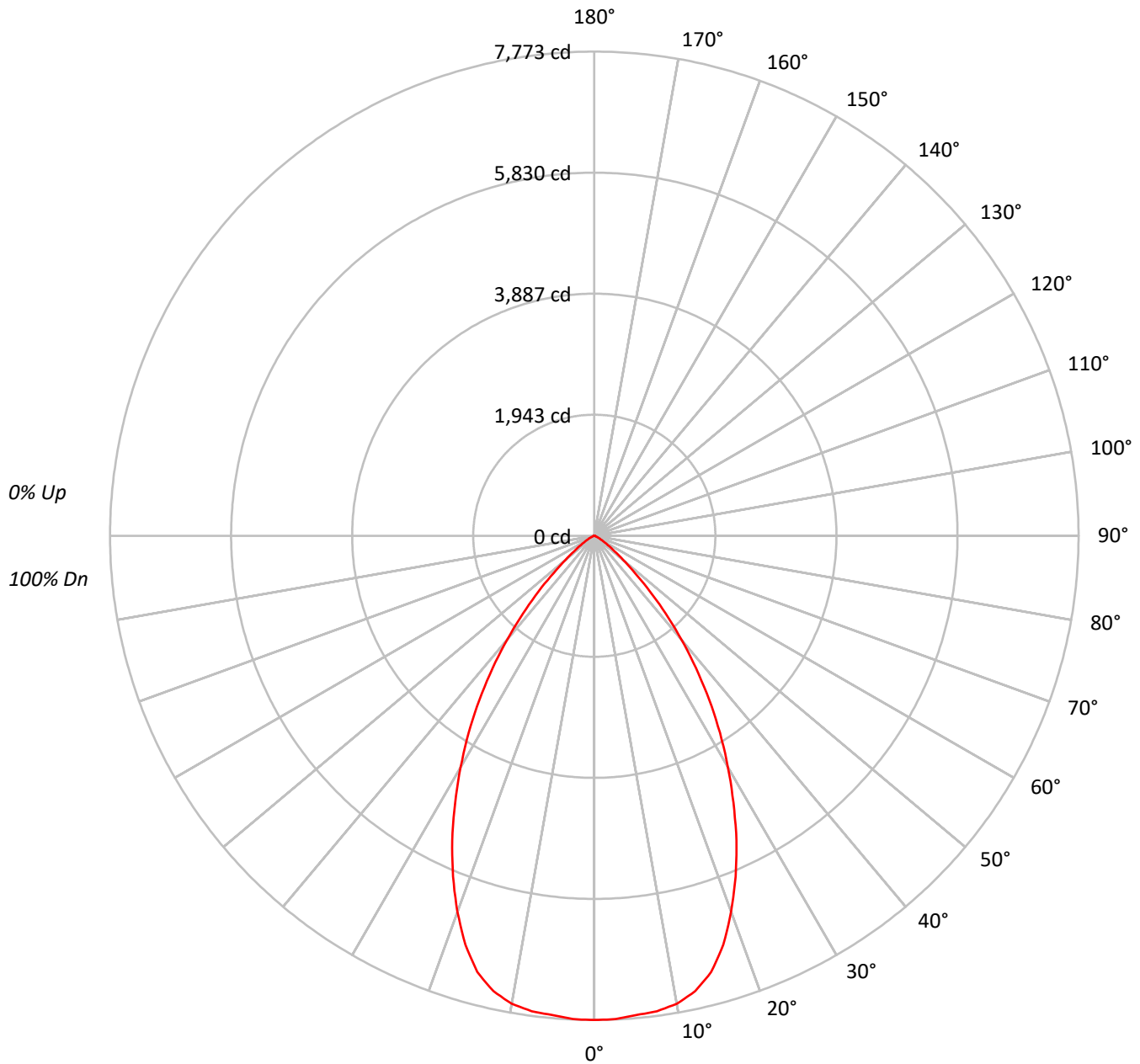


Downlight

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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	110	107	105		111	108	105	103		104	102	100		100	99	97		97	95	94
2	107	102	97	94		105	100	96	92		97	93	90		94	91	88		91	89	87
3	101	94	88	84		99	92	87	83		90	86	82		87	84	81		85	82	80
4	95	87	81	76		93	86	80	76		84	79	75		82	77	74		80	76	73
5	90	81	74	70		88	80	74	69		78	73	69		76	72	68		75	71	68
6	85	75	69	64		83	74	68	64		73	67	63		71	67	63		70	66	62
7	80	70	64	59		79	69	63	59		68	63	59		67	62	58		66	61	58
8	76	66	59	55		75	65	59	55		64	58	54		63	58	54		62	57	54
9	72	61	55	51		71	61	55	51		60	54	51		59	54	50		58	54	50
10	68	58	52	47		67	57	51	47		57	51	47		56	51	47		55	50	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	453956
5°	452805
10°	452419
15°	438474
20°	399178
25°	347855
30°	289320
35°	229244
40°	165458
45°	104533
50°	54489
55°	28959
60°	15208
65°	8361
70°	3518
75°	3859
80°	2691
85°	2278

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 104533 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	735.0	8.6
10°-20°	2012.8	23.5
20°-30°	2460.4	28.7
30°-40°	1996.3	23.3
40°-50°	994.8	11.6
50°-60°	277.5	3.2
60°-70°	63.0	0.7
70°-80°	16.4	0.2
80°-90°	4.2	0.0
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°	5208.3	60.8
0°-40°	7204.5	84.2
0°-60°	8476.8	99.0
0°-90°	8560.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8560.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7773	
5°	7724	735
15°	7252	2013
25°	5398	2460
35°	3215	1996
45°	1266	995
55°	284	277
65°	60	63
75°	17	16
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7772.7
2.5°	7766.9
5°	7723.5
7.5°	7698.4
10°	7628.7
12.5°	7487.1
15°	7251.8
17.5°	6884.0
20°	6422.6
22.5°	5924.6
25°	5398.0
27.5°	4834.9
30°	4290.1
32.5°	3752.1
35°	3215.3
37.5°	2679.6
40°	2170.2
42.5°	1692.7
45°	1265.6
47.5°	881.8
50°	599.7
52.5°	413.5
55°	284.4
57.5°	191.9
60°	130.2
62.5°	90.2
65°	60.5
67.5°	30.8
70°	20.6
72.5°	19.4
75°	17.1
77.5°	11.4
80°	8.0
82.5°	5.7
85°	3.4
87.5°	2.3
90°	0.0



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— 0°-180°







(END OF REPORT)