

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: P772457

Luminaire Tested: LD6D80BD010-EU6DR7070959024-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772457
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: LD6D80BD010-EU6DR7070959024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8360.1 lumens
Efficiency: N/A
Efficacy: 106.0 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): 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

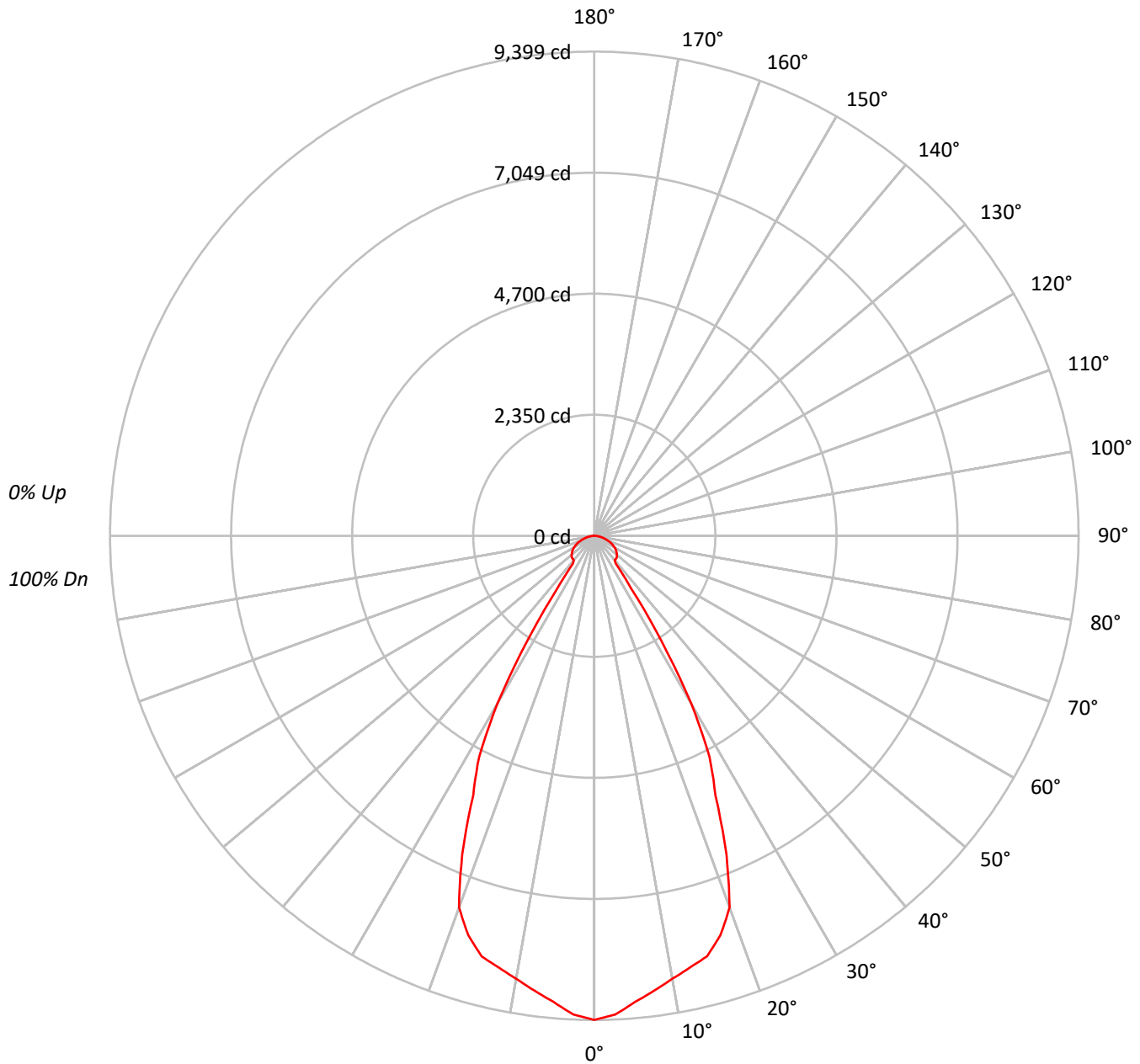


Downlight

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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78
5	89	80	74	69	87	79	73	69	77	72	68		75	71	67		74
6	85	75	68	64	83	74	68	64	73	67	63		71	66	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	77	66	60	56	75	66	60	56	65	59	55		64	59	55		63
9	73	63	57	52	72	62	56	52	61	56	52		60	55	52		60
10	70	59	53	49	69	59	53	49	58	53	49		57	52	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1026953
5°	996437
10°	968661
15°	955958
20°	892662
25°	670616
30°	474072
35°	167929
40°	88302
45°	94055
50°	97381
55°	99226
60°	99842
65°	97725
70°	92227
75°	85443
80°	75820
85°	61553

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 99866 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	856.9	10.3
10°-20°	2350.5	28.1
20°-30°	2588.7	31.0
30°-40°	989.1	11.8
40°-50°	467.0	5.6
50°-60°	464.3	5.6
60°-70°	371.7	4.4
70°-80°	213.7	2.6
80°-90°	58.1	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°	5796.2	69.3
0°-40°	6785.3	81.2
0°-60°	7716.6	92.3
0°-90°	8360.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8360.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9399	
5°	9085	857
15°	8451	2350
25°	5563	2589
35°	1259	989
45°	609	467
55°	521	464
65°	378	372
75°	202	214
85°	49	58
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9399.1
2.5°	9300.9
5°	9085.1
7.5°	8905.1
10°	8730.9
12.5°	8583.6
15°	8451.2
17.5°	8131.2
20°	7677.3
22.5°	6698.1
25°	5562.7
27.5°	4842.4
30°	3757.6
32.5°	2427.2
35°	1259.0
37.5°	680.1
40°	619.1
42.5°	614.6
45°	608.7
47.5°	595.3
50°	572.9
52.5°	547.6
55°	520.9
57.5°	491.1
60°	456.9
62.5°	418.2
65°	378.0
67.5°	333.3
70°	288.7
72.5°	244.1
75°	202.4
77.5°	159.2
80°	120.5
82.5°	84.8
85°	49.1
87.5°	19.3
90°	0.0



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— 0°-180°







(END OF REPORT)