

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: P761777

Luminaire Tested: LD6D15D010-EU6DR700215IC9024-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761777
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: LD6D15D010-EU6DR700215IC9024-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 960.7 lumens
Efficiency: N/A
Efficacy: 60.8 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): 15.8
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



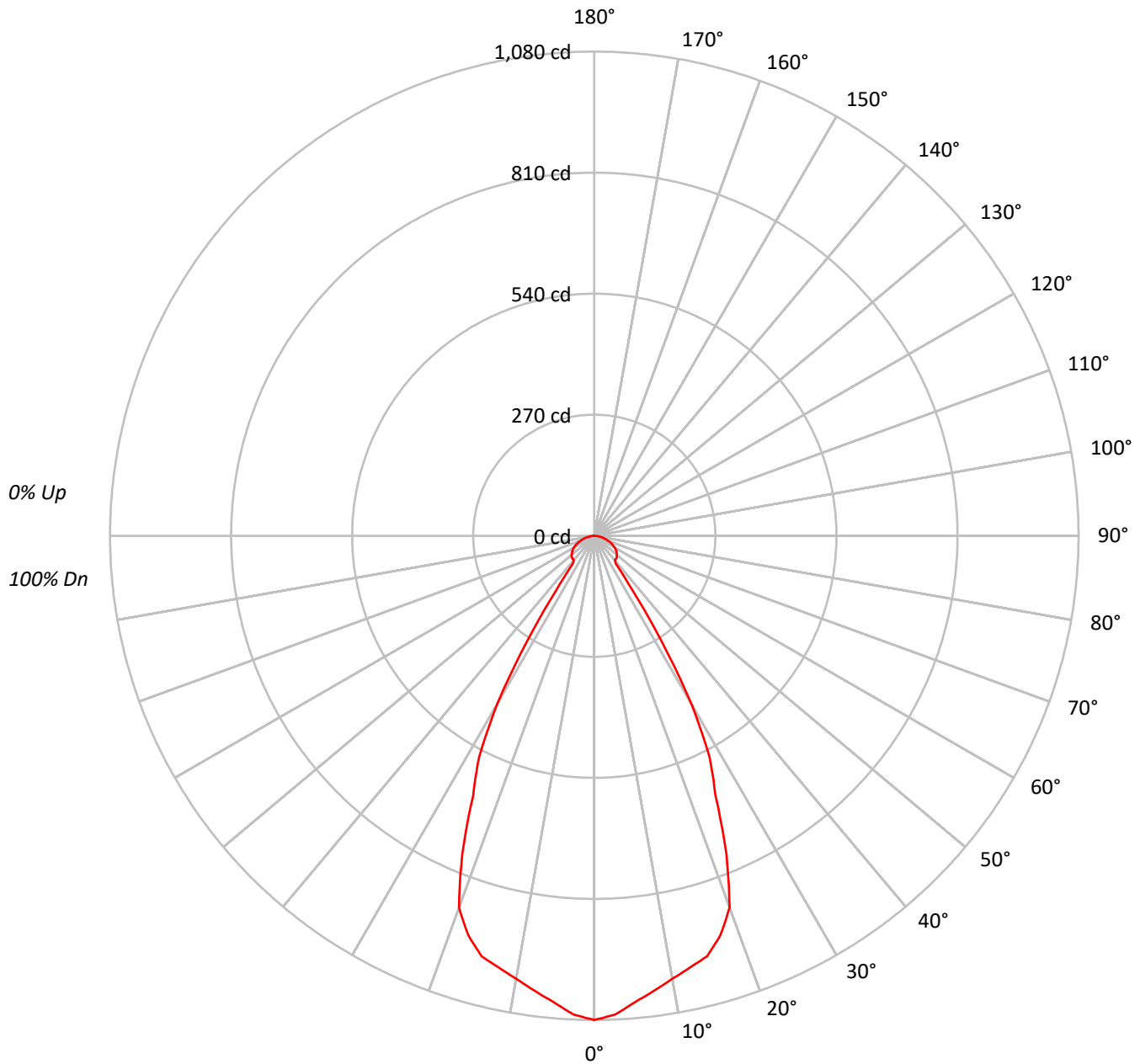
Downlight



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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°	118013
5°	114504
10°	111312
15°	109857
20°	102576
25°	77059
30°	54477
35°	19300
40°	10155
45°	10816
50°	11185
55°	11410
60°	11472
65°	11220
70°	10606
75°	9836
80°	8746
85°	7020

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 60°

Luminance: 11472 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.5	10.3
10°-20°	270.1	28.1
20°-30°	297.5	31.0
30°-40°	113.7	11.8
40°-50°	53.7	5.6
50°-60°	53.3	5.6
60°-70°	42.7	4.4
70°-80°	24.6	2.6
80°-90°	6.7	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°	666.0	69.3
0°-40°	779.7	81.2
0°-60°	886.7	92.3
0°-90°	960.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	960.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1080	
5°	1044	98
15°	971	270
25°	639	297
35°	145	114
45°	70	54
55°	60	53
65°	43	43
75°	23	25
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1080.1
2.5°	1068.8
5°	1044.0
7.5°	1023.3
10°	1003.3
12.5°	986.3
15°	971.2
17.5°	934.4
20°	882.2
22.5°	769.7
25°	639.2
27.5°	556.4
30°	431.8
32.5°	278.9
35°	144.7
37.5°	78.2
40°	71.2
42.5°	70.6
45°	70.0
47.5°	68.4
50°	65.8
52.5°	62.9
55°	59.9
57.5°	56.4
60°	52.5
62.5°	48.1
65°	43.4
67.5°	38.3
70°	33.2
72.5°	28.0
75°	23.3
77.5°	18.3
80°	13.9
82.5°	9.7
85°	5.6
87.5°	2.2
90°	0.0



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— 0°-180°







(END OF REPORT)