

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: P736052

Luminaire Tested: LD6D15D010-EU6DR700215IC9035-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P736052
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-EU6DR700215IC9035-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1162.4 lumens
Efficiency: N/A
Efficacy: 73.6 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



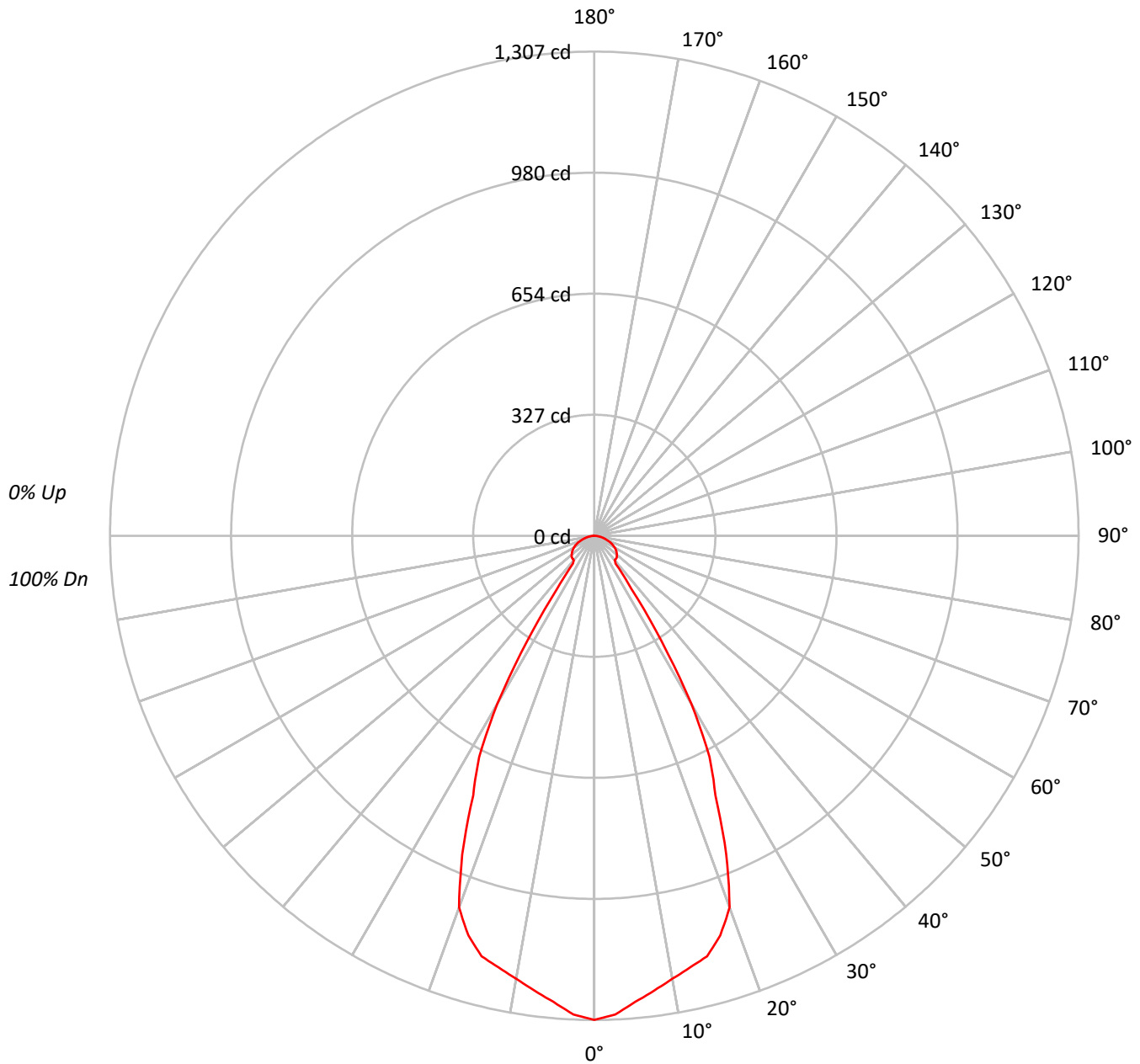
Downlight



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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°	142793
5°	138545
10°	134689
15°	132922
20°	124121
25°	93250
30°	65920
35°	23342
40°	12280
45°	13072
50°	13530
55°	13791
60°	13876
65°	13573
70°	12842
75°	11862
80°	10571
85°	8525

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 13889 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.1	10.3
10°-20°	326.8	28.1
20°-30°	360.0	31.0
30°-40°	137.5	11.8
40°-50°	64.9	5.6
50°-60°	64.5	5.6
60°-70°	51.7	4.4
70°-80°	29.7	2.6
80°-90°	8.1	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°	805.9	69.3
0°-40°	943.4	81.2
0°-60°	1072.9	92.3
0°-90°	1162.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1162.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1307	
5°	1263	119
15°	1175	327
25°	774	360
35°	175	138
45°	85	65
55°	72	65
65°	52	52
75°	28	30
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1306.9
2.5°	1293.3
5°	1263.2
7.5°	1238.2
10°	1214.0
12.5°	1193.5
15°	1175.1
17.5°	1130.6
20°	1067.5
22.5°	931.3
25°	773.5
27.5°	673.3
30°	522.5
32.5°	337.5
35°	175.0
37.5°	94.5
40°	86.1
42.5°	85.5
45°	84.6
47.5°	82.8
50°	79.6
52.5°	76.1
55°	72.4
57.5°	68.3
60°	63.5
62.5°	58.2
65°	52.5
67.5°	46.4
70°	40.2
72.5°	33.9
75°	28.1
77.5°	22.1
80°	16.8
82.5°	11.8
85°	6.8
87.5°	2.7
90°	0.0



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— 0°-180°







(END OF REPORT)