

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: P761838

Luminaire Tested: LD6D15D010-EU6DR700215IC9050-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761838
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-EU6DR700215IC9050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1180.5 lumens
Efficiency: N/A
Efficacy: 74.7 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



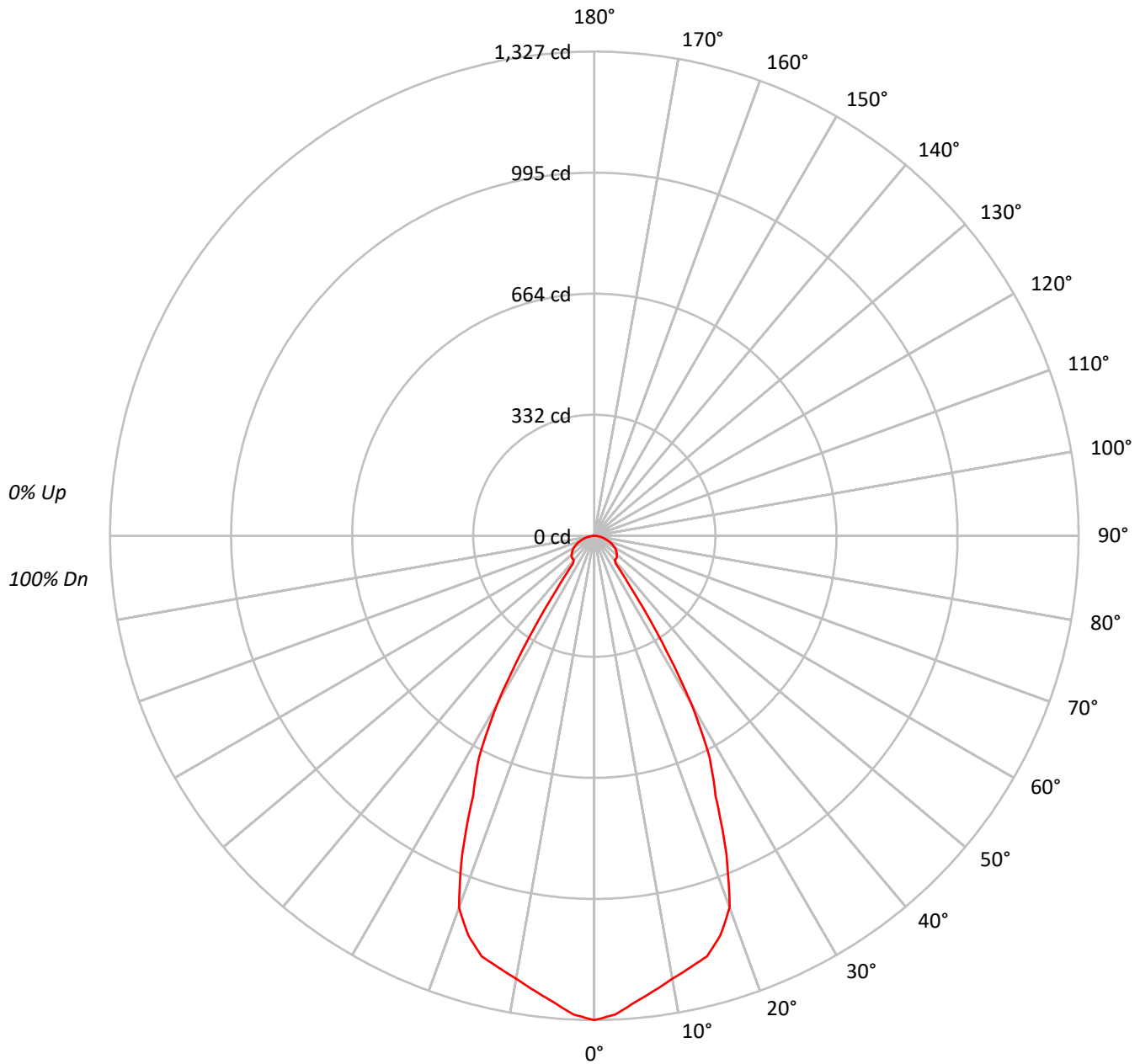
Downlight



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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°	145011
5°	140706
10°	136786
15°	134980
20°	126051
25°	94697
30°	66942
35°	23715
40°	12466
45°	13273
50°	13751
55°	14020
60°	14095
65°	13806
70°	13034
75°	12074
80°	10697
85°	8650

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 60°

Luminance: 14095 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.0	10.3
10°-20°	331.9	28.1
20°-30°	365.6	31.0
30°-40°	139.7	11.8
40°-50°	65.9	5.6
50°-60°	65.6	5.6
60°-70°	52.5	4.4
70°-80°	30.2	2.6
80°-90°	8.2	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°	818.5	69.3
0°-40°	958.1	81.2
0°-60°	1089.6	92.3
0°-90°	1180.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1180.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1327	
5°	1283	121
15°	1193	332
25°	786	366
35°	178	140
45°	86	66
55°	74	66
65°	53	53
75°	29	30
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1327.2
2.5°	1313.3
5°	1282.9
7.5°	1257.5
10°	1232.9
12.5°	1212.1
15°	1193.3
17.5°	1148.2
20°	1084.1
22.5°	945.8
25°	785.5
27.5°	683.8
30°	530.6
32.5°	342.7
35°	177.8
37.5°	96.0
40°	87.4
42.5°	86.8
45°	85.9
47.5°	84.1
50°	80.9
52.5°	77.3
55°	73.6
57.5°	69.3
60°	64.5
62.5°	59.1
65°	53.4
67.5°	47.1
70°	40.8
72.5°	34.4
75°	28.6
77.5°	22.5
80°	17.0
82.5°	12.0
85°	6.9
87.5°	2.8
90°	0.0



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— 0°-180°







(END OF REPORT)