

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: P761629

Luminaire Tested: LD6D15D010-EU6DR600215IC9024-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761629
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR600215IC9024-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1106.5 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): 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



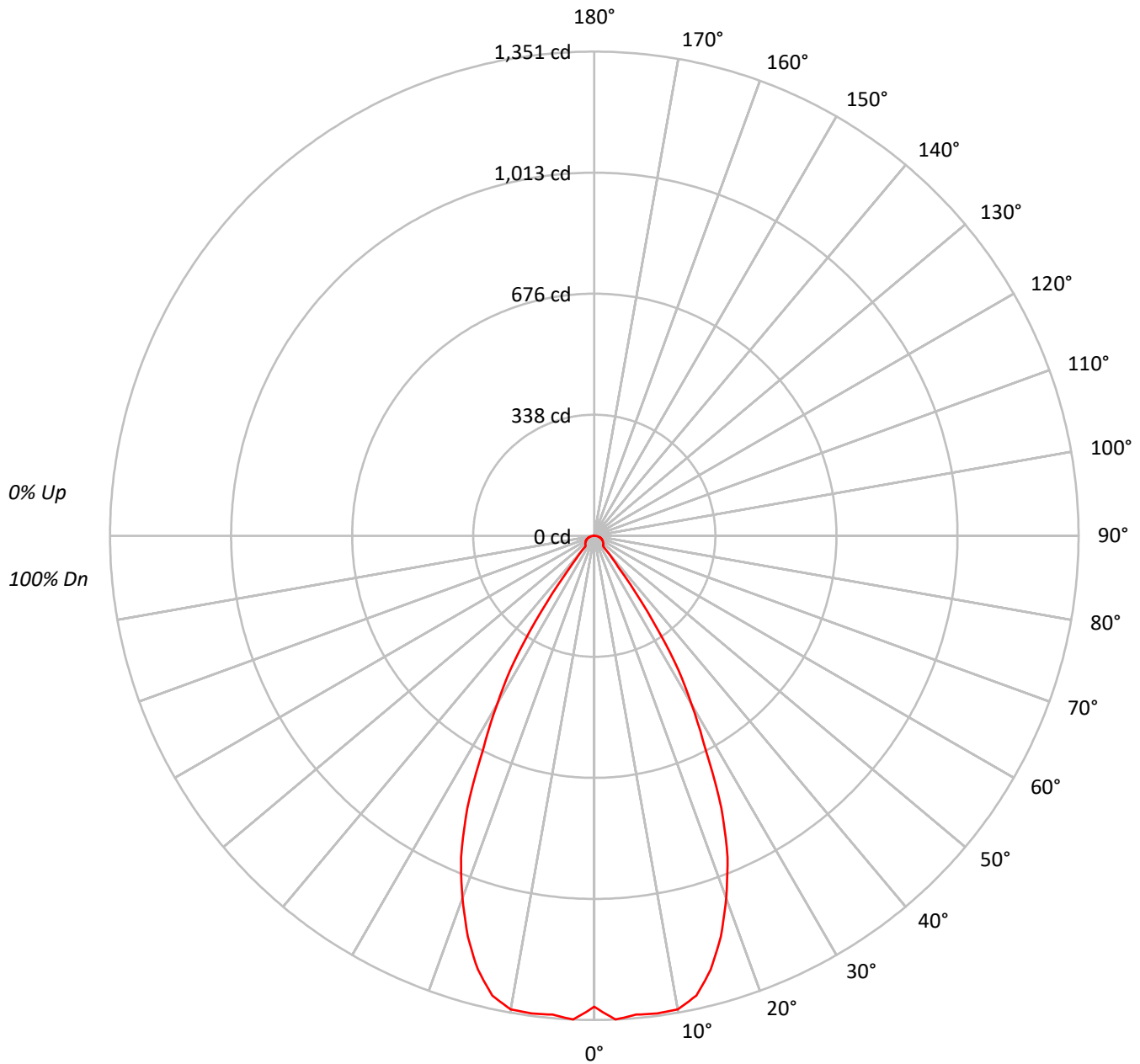
Downlight



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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				0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93						
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86						
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80						
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75						
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70						
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66						
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62						
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59						
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55						
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	143590
5°	147111
10°	148890
15°	141846
20°	125063
25°	101146
30°	68418
35°	34279
40°	5563
45°	5439
50°	5558
55°	5639
60°	5791
65°	5920
70°	6070
75°	6163
80°	5915
85°	5015

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 6163 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.2	11.6
10°-20°	346.9	31.3
20°-30°	373.2	33.7
30°-40°	162.2	14.7
40°-50°	27.2	2.5
50°-60°	26.5	2.4
60°-70°	22.6	2.0
70°-80°	15.2	1.4
80°-90°	4.5	0.4
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°	848.2	76.7
0°-40°	1010.4	91.3
0°-60°	1064.2	96.2
0°-90°	1106.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1106.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1314	
5°	1341	128
15°	1254	347
25°	839	373
35°	257	162
45°	35	27
55°	30	27
65°	23	23
75°	15	15
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1314.2
2.5°	1351.1
5°	1341.3
7.5°	1344.4
10°	1342.0
12.5°	1314.3
15°	1254.0
17.5°	1172.9
20°	1075.6
22.5°	971.4
25°	839.0
27.5°	671.1
30°	542.3
32.5°	418.0
35°	257.0
37.5°	109.9
40°	39.0
42.5°	35.9
45°	35.2
47.5°	34.0
50°	32.7
52.5°	31.1
55°	29.6
57.5°	28.1
60°	26.5
62.5°	24.8
65°	22.9
67.5°	21.0
70°	19.0
72.5°	16.8
75°	14.6
77.5°	12.0
80°	9.4
82.5°	6.6
85°	4.0
87.5°	1.4
90°	0.0



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— 0°-180°







(END OF REPORT)