

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: P761764

Luminaire Tested: LD6D15D010-EU6DR650215IC9050-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761764
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR650215IC9050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1131.9 lumens
Efficiency: N/A
Efficacy: 71.6 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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



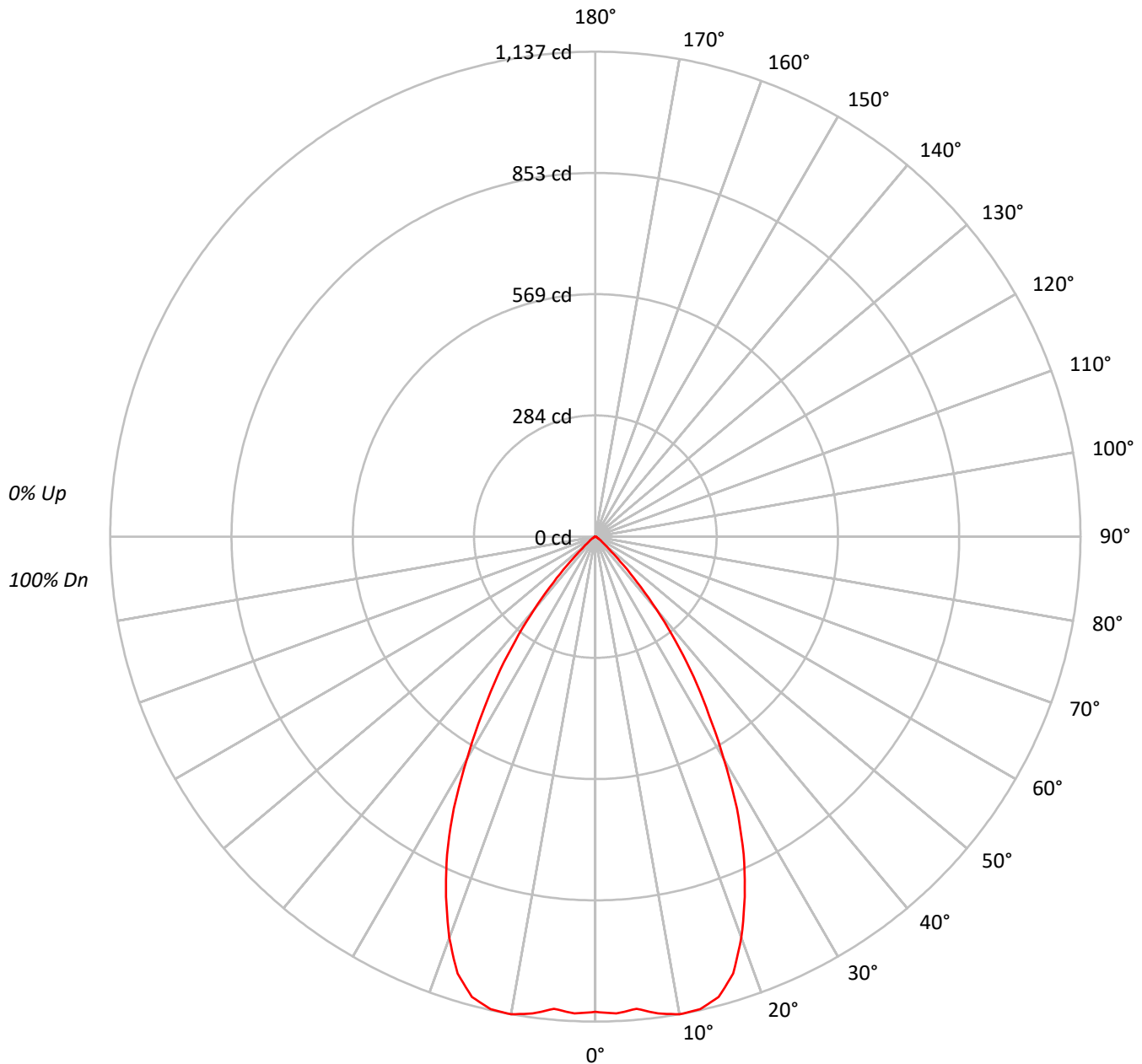
Downlight



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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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	121760
5°	121863
10°	126157
15°	126361
20°	116343
25°	99133
30°	75887
35°	53607
40°	31650
45°	12840
50°	4657
55°	2591
60°	1486
65°	827
70°	863
75°	675
80°	692
85°	627

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12840 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.3	9.5
10°-20°	309.6	27.3
20°-30°	371.4	32.8
30°-40°	249.6	22.0
40°-50°	74.7	6.6
50°-60°	13.2	1.2
60°-70°	3.8	0.3
70°-80°	1.8	0.2
80°-90°	0.6	0.1
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°	788.3	69.6
0°-40°	1037.8	91.7
0°-60°	1125.7	99.5
0°-90°	1131.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1131.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1114	
5°	1111	107
15°	1117	310
25°	822	371
35°	402	250
45°	83	75
55°	14	13
65°	3	4
75°	2	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1114.4
2.5°	1119.2
5°	1111.1
7.5°	1127.9
10°	1137.1
12.5°	1134.9
15°	1117.1
17.5°	1073.8
20°	1000.6
22.5°	914.4
25°	822.3
27.5°	718.2
30°	601.5
32.5°	495.7
35°	401.9
37.5°	309.3
40°	221.9
42.5°	144.9
45°	83.1
47.5°	44.0
50°	27.4
52.5°	19.0
55°	13.6
57.5°	9.8
60°	6.8
62.5°	4.4
65°	3.2
67.5°	2.9
70°	2.7
72.5°	2.1
75°	1.6
77.5°	1.4
80°	1.1
82.5°	0.8
85°	0.5
87.5°	0.3
90°	0.0



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— 0°-180°







(END OF REPORT)