

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: P736034

Luminaire Tested: LD6D15D010-EU6DR350215IC9035-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P736034
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR350215IC9035-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1409.1 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
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



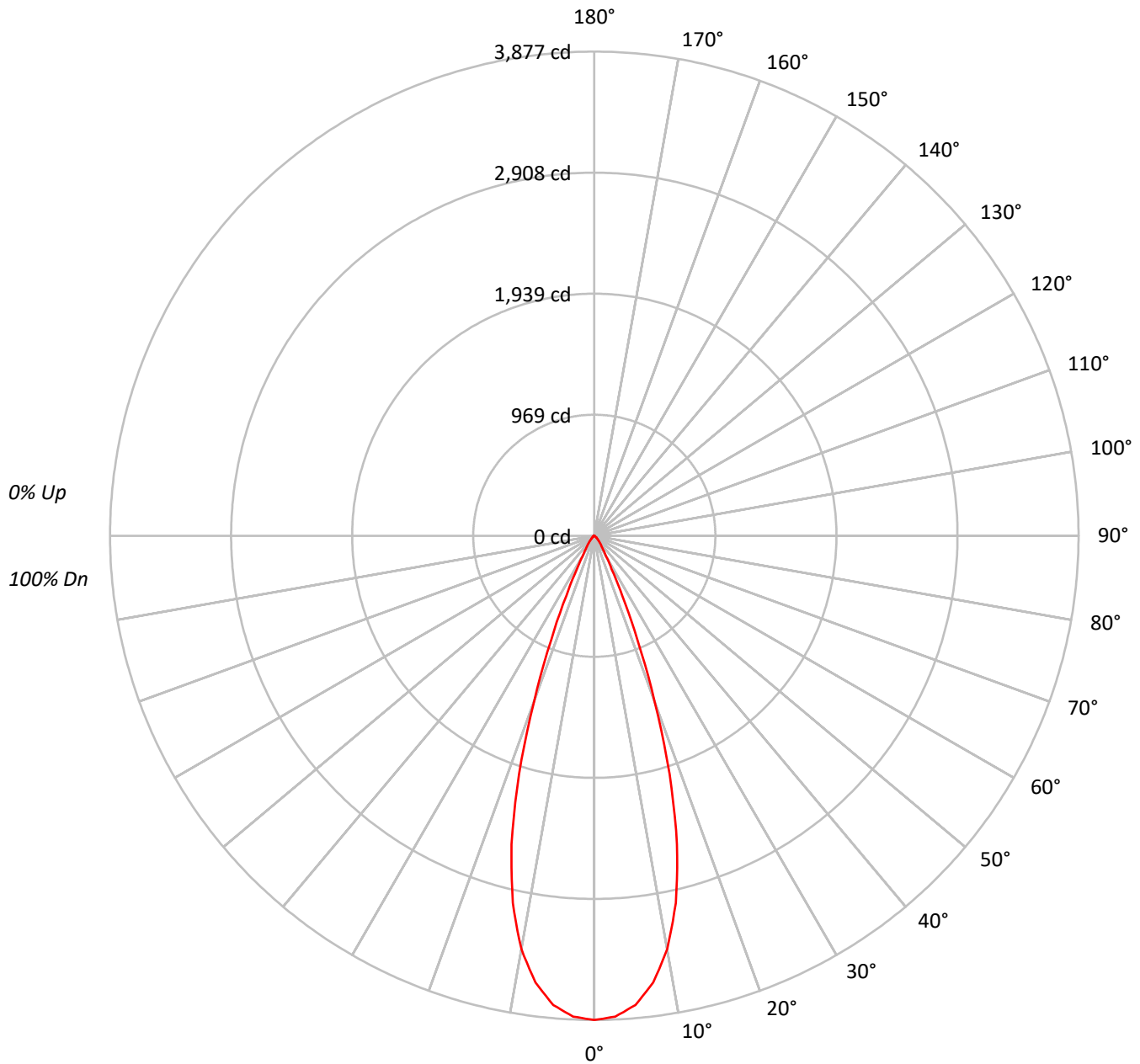
Downlight



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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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96		
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92		
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88		
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84		
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81		
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78		
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75		
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72		
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70		
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	423626
5°	413662
10°	372824
15°	289371
20°	164131
25°	63846
30°	23820
35°	13058
40°	8529
45°	5192
50°	3315
55°	2343
60°	1704
65°	931
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5192 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.9	24.6
10°-20°	677.3	48.1
20°-30°	276.2	19.6
30°-40°	66.1	4.7
40°-50°	27.6	2.0
50°-60°	11.4	0.8
60°-70°	3.6	0.3
70°-80°	0.1	0.0
80°-90°	0.1	0.0
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°	1300.3	92.3
0°-40°	1366.4	97.0
0°-60°	1405.4	99.7
0°-90°	1409.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1409.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3877	
5°	3772	347
15°	2558	677
25°	530	276
35°	98	66
45°	34	28
55°	12	11
65°	4	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3877.2
2.5°	3853.9
5°	3771.6
7.5°	3607.6
10°	3360.4
12.5°	3012.3
15°	2558.2
17.5°	2002.7
20°	1411.6
22.5°	900.1
25°	529.6
27.5°	299.4
30°	188.8
32.5°	132.6
35°	97.9
37.5°	75.7
40°	59.8
42.5°	46.1
45°	33.6
47.5°	25.2
50°	19.5
52.5°	15.4
55°	12.3
57.5°	9.9
60°	7.8
62.5°	5.7
65°	3.6
67.5°	1.3
70°	0.2
72.5°	0.2
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.2
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)