

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: P761725

Luminaire Tested: LD6D15D010-EU6DR650215IC9030-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761725
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR650215IC9030-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1251.9 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' 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



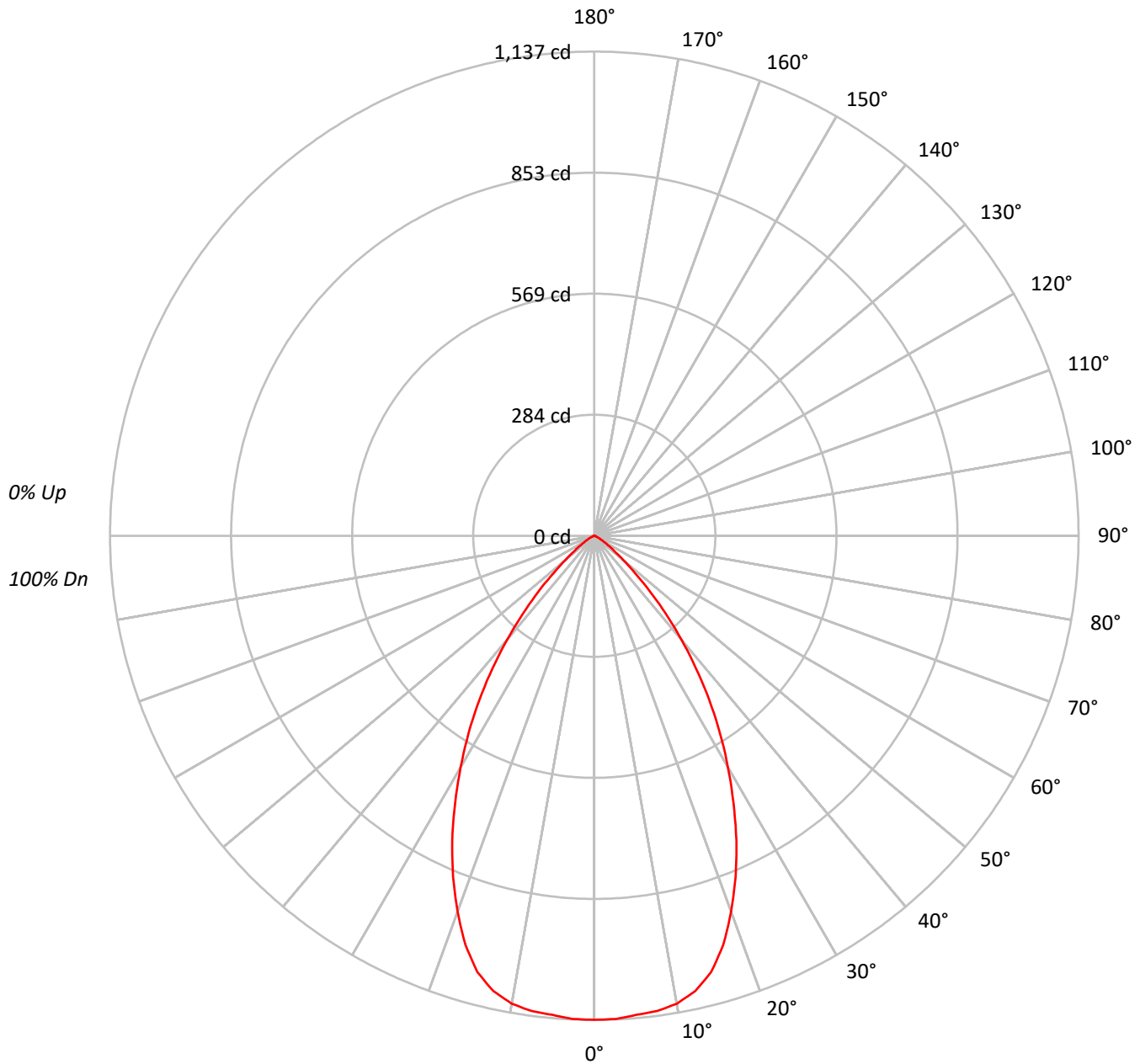
Downlight



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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					0
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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93		
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85		
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78		
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72		
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66		
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61		
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56		
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52		
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49		
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	66388
5°	66219
10°	66160
15°	64122
20°	58373
25°	50870
30°	42311
35°	33524
40°	24199
45°	15288
50°	7968
55°	4236
60°	2219
65°	1230
70°	512
75°	564
80°	370
85°	335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15288 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.5	8.6
10°-20°	294.4	23.5
20°-30°	359.8	28.7
30°-40°	291.9	23.3
40°-50°	145.5	11.6
50°-60°	40.6	3.2
60°-70°	9.2	0.7
70°-80°	2.4	0.2
80°-90°	0.6	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°	761.7	60.8
0°-40°	1053.6	84.2
0°-60°	1239.7	99.0
0°-90°	1251.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1251.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1137	
5°	1130	107
15°	1060	294
25°	789	360
35°	470	292
45°	185	146
55°	42	41
65°	9	9
75°	2	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1136.7
2.5°	1135.8
5°	1129.5
7.5°	1125.8
10°	1115.6
12.5°	1094.9
15°	1060.5
17.5°	1006.7
20°	939.2
22.5°	866.4
25°	789.4
27.5°	707.1
30°	627.4
32.5°	548.7
35°	470.2
37.5°	391.8
40°	317.4
42.5°	247.6
45°	185.1
47.5°	129.0
50°	87.7
52.5°	60.4
55°	41.6
57.5°	28.1
60°	19.0
62.5°	13.2
65°	8.9
67.5°	4.5
70°	3.0
72.5°	2.9
75°	2.5
77.5°	1.7
80°	1.1
82.5°	0.9
85°	0.5
87.5°	0.3
90°	0.0



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— 0°-180°







(END OF REPORT)