

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: P771625

Luminaire Tested: LD6D75BD010-EU6DR6570959030-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P771625
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: LD6D75BD010-EU6DR6570959030-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7475.4 lumens
Efficiency: N/A
Efficacy: 103.3 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): 72.4
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

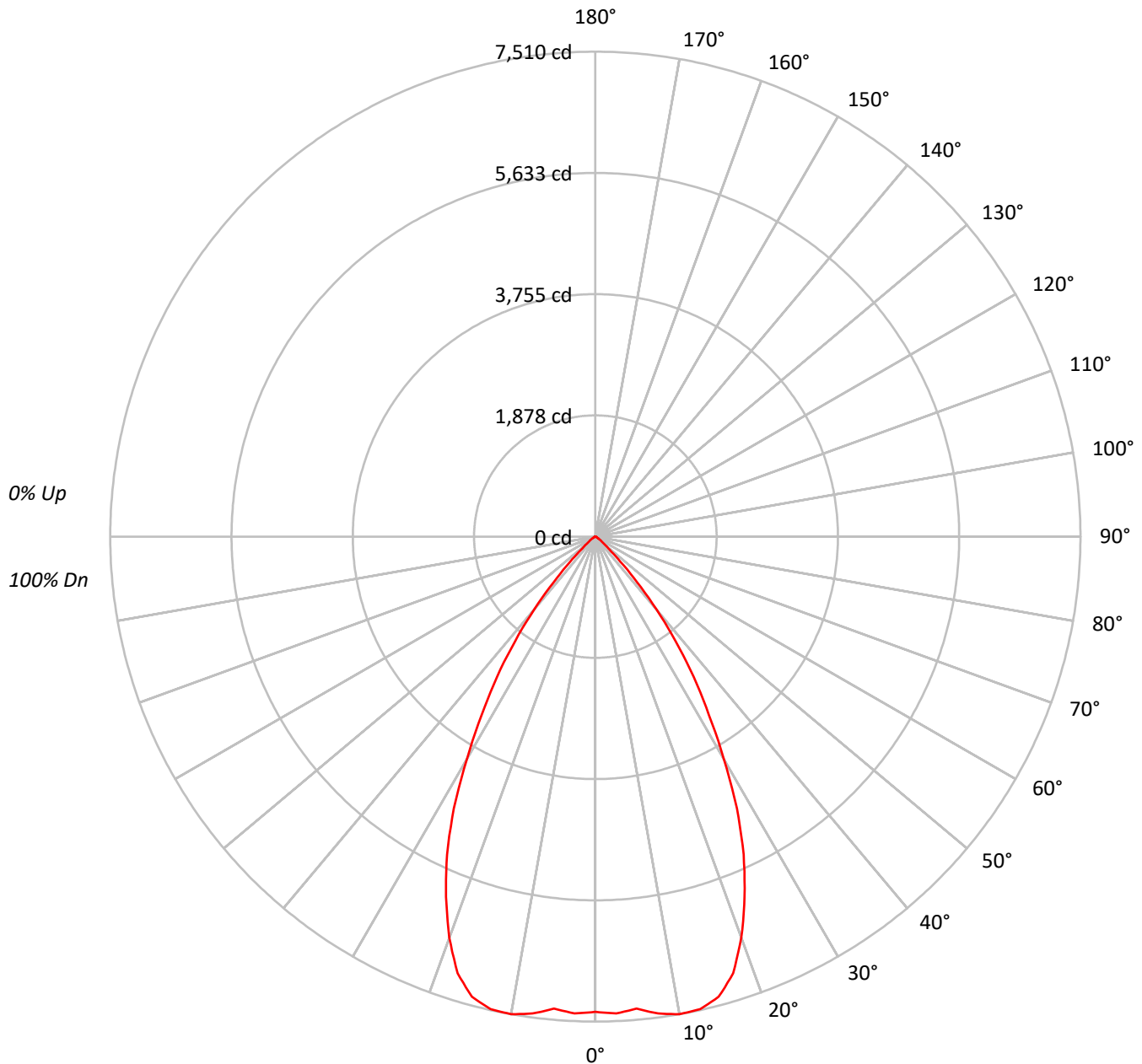


Downlight

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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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87		
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80		
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69		
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65		
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60		
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57		
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53		
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	804170
5°	804840
10°	833173
15°	834552
20°	768343
25°	654667
30°	501172
35°	354065
40°	208995
45°	84846
50°	30749
55°	17125
60°	9833
65°	5403
70°	5686
75°	4433
80°	4593
85°	3886

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 84846 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	708.7	9.5
10°-20°	2044.3	27.3
20°-30°	2452.8	32.8
30°-40°	1648.3	22.1
40°-50°	493.4	6.6
50°-60°	87.1	1.2
60°-70°	24.8	0.3
70°-80°	12.1	0.2
80°-90°	3.8	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°	5205.8	69.6
0°-40°	6854.2	91.7
0°-60°	7434.7	99.5
0°-90°	7475.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7475.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7360	
5°	7338	709
15°	7378	2044
25°	5430	2453
35°	2654	1648
45°	549	493
55°	90	87
65°	21	25
75°	10	12
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7360.1
2.5°	7391.5
5°	7338.2
7.5°	7449.0
10°	7509.7
12.5°	7495.1
15°	7377.9
17.5°	7091.3
20°	6608.1
22.5°	6039.1
25°	5430.4
27.5°	4743.2
30°	3972.4
32.5°	3273.7
35°	2654.5
37.5°	2042.7
40°	1465.3
42.5°	957.0
45°	549.1
47.5°	290.8
50°	180.9
52.5°	125.5
55°	89.9
57.5°	64.8
60°	45.0
62.5°	29.3
65°	20.9
67.5°	18.8
70°	17.8
72.5°	13.6
75°	10.5
77.5°	9.4
80°	7.3
82.5°	5.2
85°	3.1
87.5°	2.1
90°	0.0



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— 0°-180°







(END OF REPORT)