

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: P771343

Luminaire Tested: LD6D75BD010-EU6DR4570959040-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771343
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D75BD010-EU6DR4570959040-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9729.1 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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

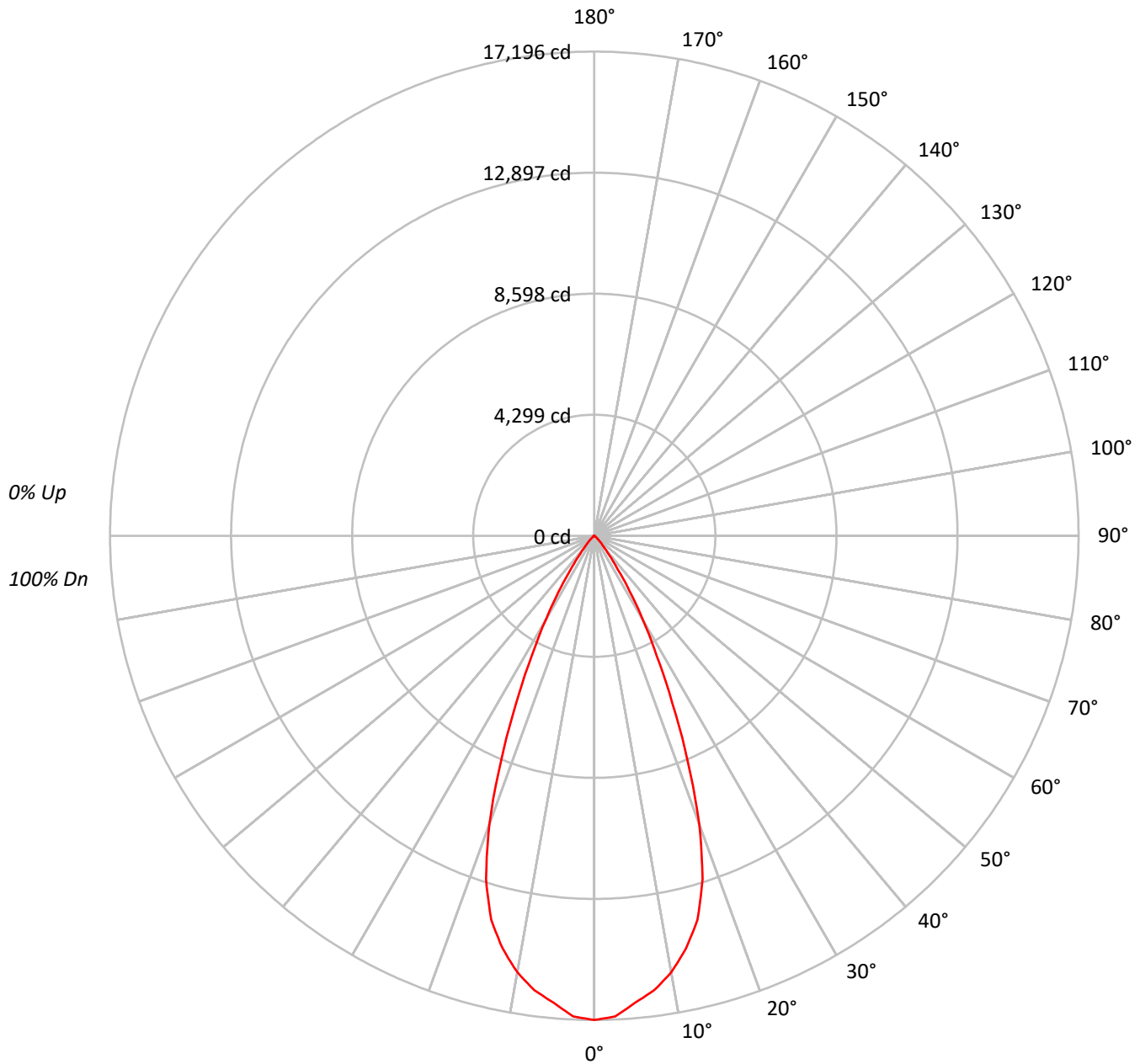


Downlight

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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					0
RW	70	50	30	10	70	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			100
1	114	112	110	108	112	110	108	106		106	104	103			102	101	100			95
2	109	105	102	99	107	103	100	98		100	98	95			97	95	93			90
3	105	99	95	91	103	98	94	91		95	92	89			93	90	88			85
4	100	94	89	85	99	93	88	85		91	87	84			89	86	83			81
5	96	89	84	80	95	88	83	80		86	82	79			85	81	79			77
6	92	85	80	76	91	84	79	76		83	78	75			81	77	75			73
7	89	81	75	72	87	80	75	72		79	74	71			78	74	71			69
8	85	77	72	68	84	76	71	68		75	71	68			74	70	67			66
9	82	73	68	65	81	73	68	65		72	68	65			71	67	64			63
10	79	70	65	62	78	70	65	62		69	65	62			68	64	61			60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1878881
5°	1825384
10°	1746405
15°	1598327
20°	1268025
25°	791642
30°	436336
35°	195926
40°	77163
45°	36358
50°	17236
55°	9010
60°	4436
65°	1060
70°	447
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 36358 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1563.8	16.1
10°-20°	3848.7	39.6
20°-30°	3047.7	31.3
30°-40°	1014.9	10.4
40°-50°	201.4	2.1
50°-60°	45.7	0.5
60°-70°	6.6	0.1
70°-80°	0.2	0.0
80°-90°	0.0	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°	8460.2	87.0
0°-40°	9475.1	97.4
0°-60°	9722.3	99.9
0°-90°	9729.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9729.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17196	
5°	16643	###
15°	14130	3849
25°	6567	3048
35°	1469	1015
45°	235	201
55°	47	46
65°	4	7
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17196.3
2.5°	17084.1
5°	16643.1
7.5°	16279.3
10°	15741.0
12.5°	15024.1
15°	14130.1
17.5°	12785.7
20°	10905.6
22.5°	8665.8
25°	6566.6
27.5°	4808.3
30°	3458.5
32.5°	2352.1
35°	1468.9
37.5°	871.0
40°	541.0
42.5°	355.7
45°	235.3
47.5°	151.5
50°	101.4
52.5°	67.6
55°	47.3
57.5°	31.1
60°	20.3
62.5°	10.8
65°	4.1
67.5°	1.4
70°	1.4
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)