

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: P774823

Luminaire Tested: LD6D95BD010-EU6DR7070959030-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774823
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR7070959030-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11285.7 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 99.2
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

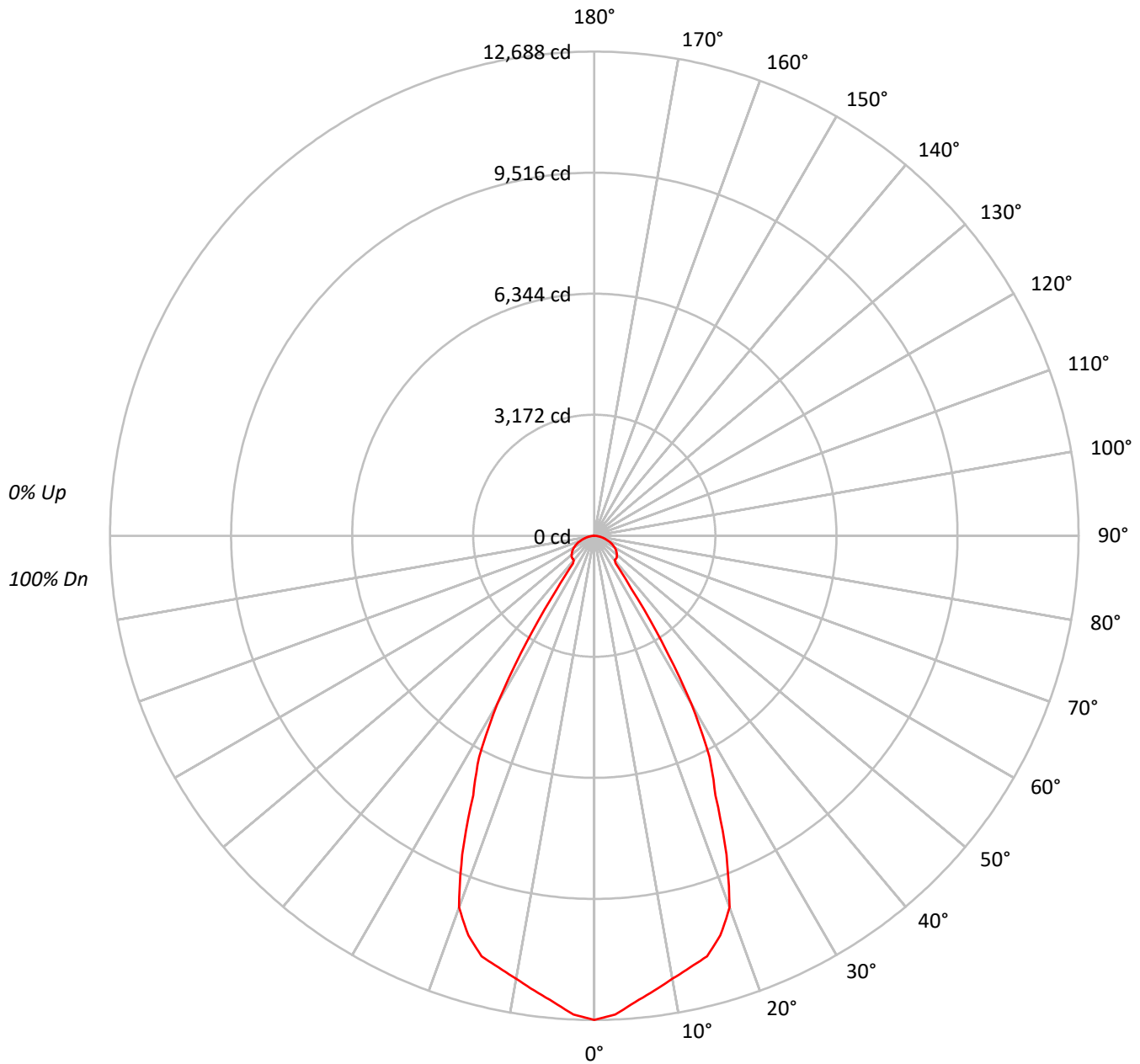


Downlight

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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				0
RW	70	50	30	10	70	50	30	10	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	102	102	102	100			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1386344
5°	1345147
10°	1307657
15°	1290496
20°	1205064
25°	905303
30°	639964
35°	226697
40°	119196
45°	126967
50°	131462
55°	133934
60°	134762
65°	131929
70°	124492
75°	115332
80°	102372
85°	83115

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 134802 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1156.8	10.3
10°-20°	3173.1	28.1
20°-30°	3494.7	31.0
30°-40°	1335.2	11.8
40°-50°	630.5	5.6
50°-60°	626.8	5.6
60°-70°	501.8	4.4
70°-80°	288.4	2.6
80°-90°	78.4	0.7
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°	7824.6	69.3
0°-40°	9159.8	81.2
0°-60°	10417.1	92.3
0°-90°	11285.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11285.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12688	
5°	12264	###
15°	11409	3173
25°	7509	3495
35°	1700	1335
45°	822	630
55°	703	627
65°	510	502
75°	273	288
85°	66	78
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12688.4
2.5°	12555.8
5°	12264.5
7.5°	12021.4
10°	11786.4
12.5°	11587.5
15°	11408.7
17.5°	10976.8
20°	10364.1
22.5°	9042.2
25°	7509.4
27.5°	6537.1
30°	5072.5
32.5°	3276.6
35°	1699.6
37.5°	918.1
40°	835.7
42.5°	829.7
45°	821.7
47.5°	803.6
50°	773.4
52.5°	739.3
55°	703.1
57.5°	662.9
60°	616.7
62.5°	564.5
65°	510.3
67.5°	450.0
70°	389.7
72.5°	329.5
75°	273.2
77.5°	215.0
80°	162.7
82.5°	114.5
85°	66.3
87.5°	26.1
90°	0.0



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— 0°-180°







(END OF REPORT)