

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: P774776

Luminaire Tested: LD6D95BD010-EU6DR6570959040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774776
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: LD6D95BD010-EU6DR6570959040-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11453.8 lumens
Efficiency: N/A
Efficacy: 115.5 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): 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

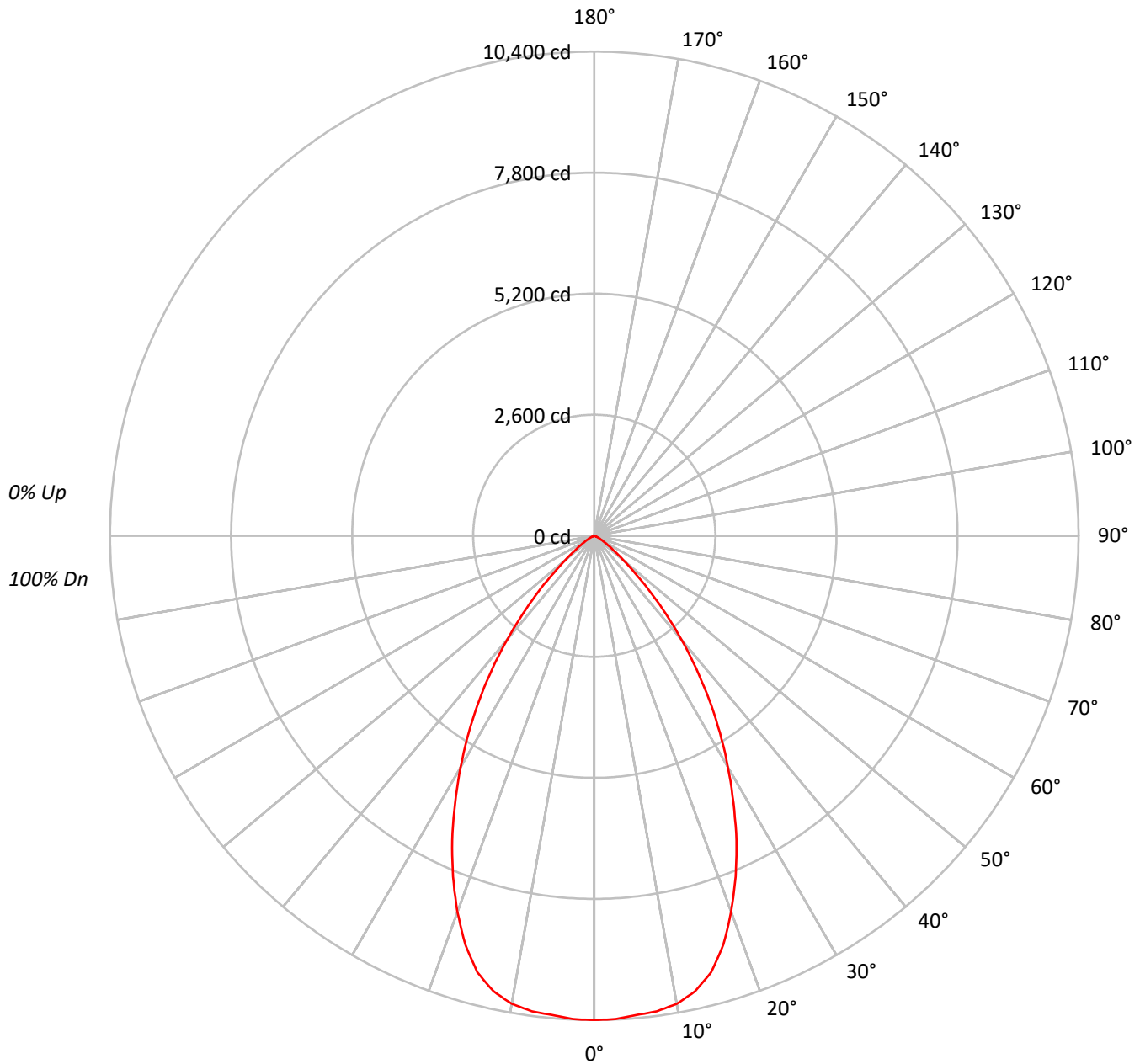


Downlight

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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					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°	607383
5°	605851
10°	605330
15°	586671
20°	534092
25°	465429
30°	387106
35°	306724
40°	221381
45°	139859
50°	72897
55°	38744
60°	20348
65°	11194
70°	4696
75°	5168
80°	3599
85°	3083

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 139859 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	983.5	8.6
10°-20°	2693.1	23.5
20°-30°	3292.0	28.7
30°-40°	2671.0	23.3
40°-50°	1331.0	11.6
50°-60°	371.2	3.2
60°-70°	84.4	0.7
70°-80°	22.0	0.2
80°-90°	5.6	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°	6968.6	60.8
0°-40°	9639.6	84.2
0°-60°	11341.8	99.0
0°-90°	11453.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11453.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10400	
5°	10334	983
15°	9703	2693
25°	7222	3292
35°	4302	2671
45°	1693	1331
55°	380	371
65°	81	84
75°	23	22
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10399.7
2.5°	10392.1
5°	10334.0
7.5°	10300.4
10°	10207.1
12.5°	10017.6
15°	9702.8
17.5°	9210.7
20°	8593.3
22.5°	7927.0
25°	7222.5
27.5°	6469.1
30°	5740.1
32.5°	5020.3
35°	4302.0
37.5°	3585.3
40°	2903.7
42.5°	2264.9
45°	1693.3
47.5°	1179.8
50°	802.3
52.5°	553.2
55°	380.5
57.5°	256.7
60°	174.2
62.5°	120.7
65°	81.0
67.5°	41.3
70°	27.5
72.5°	26.0
75°	22.9
77.5°	15.3
80°	10.7
82.5°	7.6
85°	4.6
87.5°	3.1
90°	0.0



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— 0°-180°







(END OF REPORT)