

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: P774542

Luminaire Tested: LD6D95BD010-EU6DR5070959040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774542
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR5070959040-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13559.7 lumens
Efficiency: N/A
Efficacy: 136.7 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
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

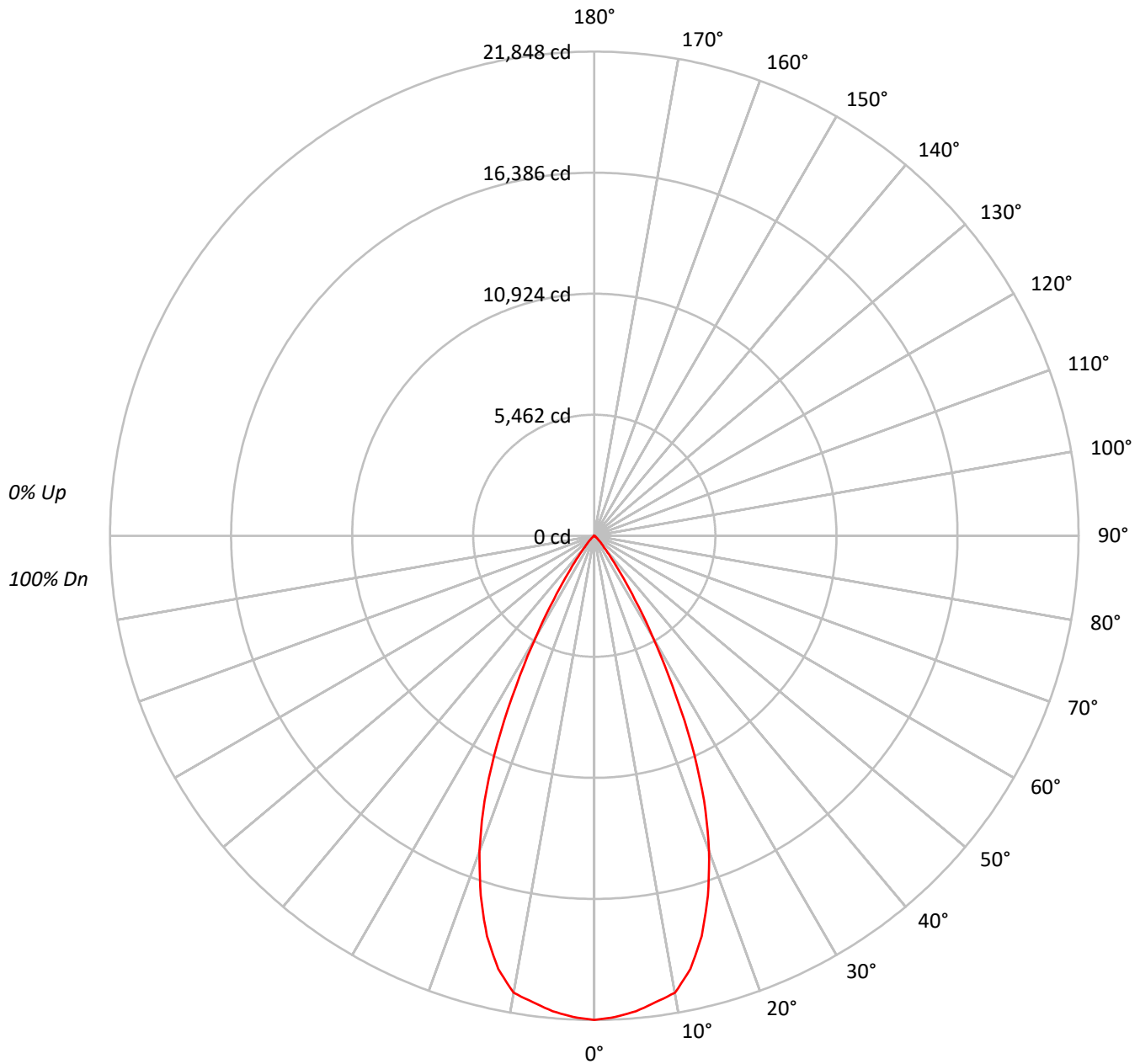


Downlight

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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
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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95		
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90		
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85		
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80		
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76		
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72		
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69		
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65		
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62		
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2387140
5°	2362116
10°	2323215
15°	2115466
20°	1760313
25°	1249562
30°	661399
35°	269527
40°	100098
45°	45830
50°	18783
55°	9829
60°	4829
65°	1422
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 45830 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2035.6	15.0
10°-20°	5144.6	37.9
20°-30°	4621.2	34.1
30°-40°	1446.9	10.7
40°-50°	253.3	1.9
50°-60°	50.5	0.4
60°-70°	7.6	0.1
70°-80°	0.0	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°	11801.4	87.0
0°-40°	13248.2	97.7
0°-60°	13552.1	99.9
0°-90°	13559.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13559.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21848	
5°	21537	###
15°	18702	5145
25°	10365	4621
35°	2021	1447
45°	297	253
55°	52	50
65°	6	8
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	21848.1
2.5°	21739.4
5°	21536.8
7.5°	21227.3
10°	20940.0
12.5°	20019.0
15°	18701.9
17.5°	17029.4
20°	15139.5
22.5°	12953.0
25°	10365.0
27.5°	7620.4
30°	5242.4
32.5°	3413.2
35°	2020.7
37.5°	1160.5
40°	701.8
42.5°	456.8
45°	296.6
47.5°	180.5
50°	110.5
52.5°	75.5
55°	51.6
57.5°	35.0
60°	22.1
62.5°	12.9
65°	5.5
67.5°	1.8
70°	0.0
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)