

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: P756707

Luminaire Tested: LD4D95BD010-EU4DR6570959040-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756707
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: LD4D95BD010-EU4DR6570959040-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-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: 8159.8 lumens
Efficiency: N/A
Efficacy: 82.3 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): 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

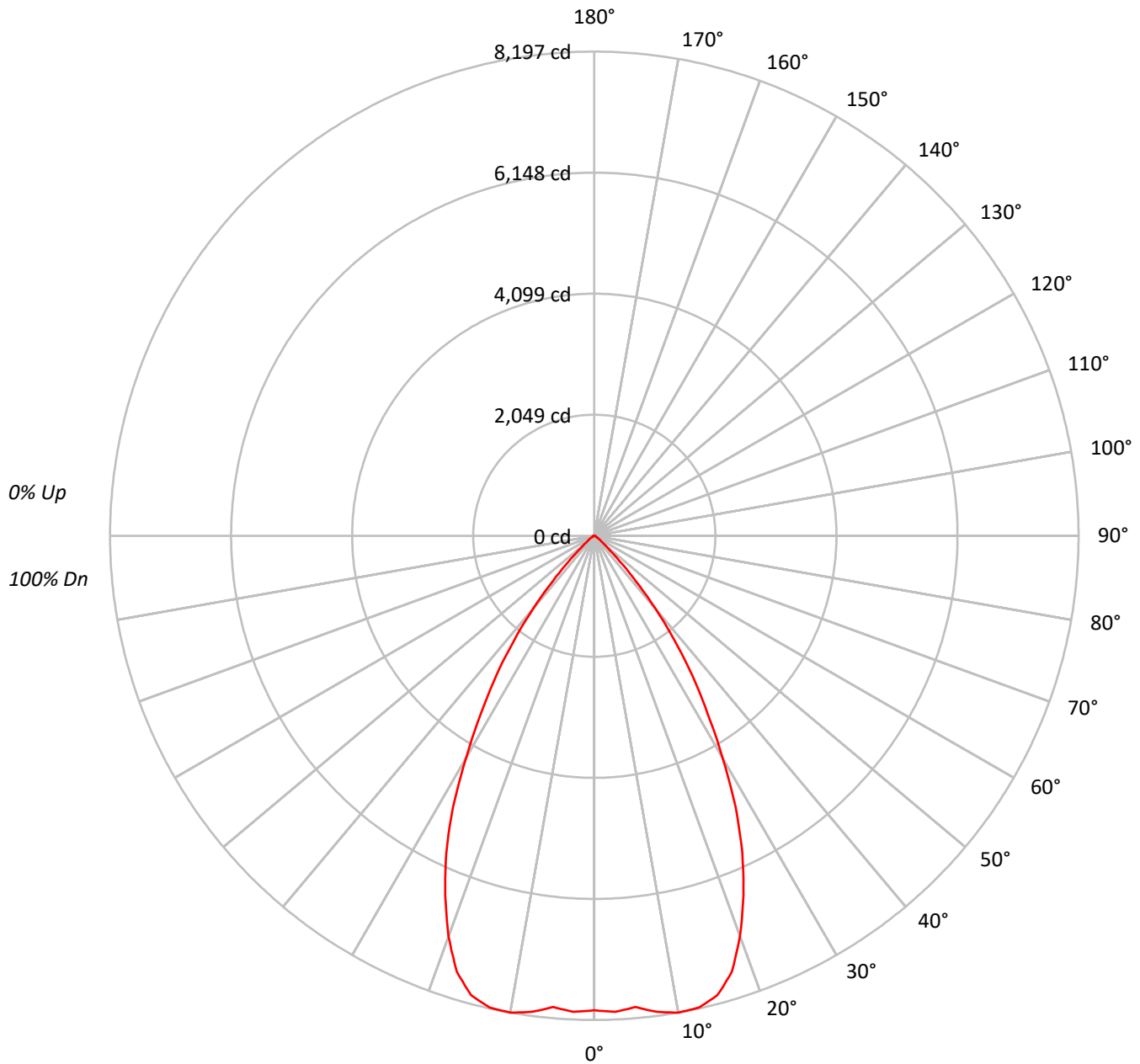


Downlight

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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	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°	877790
5°	878511
10°	909438
15°	910949
20°	838676
25°	714595
30°	547045
35°	386477
40°	228136
45°	92618
50°	33571
55°	18706
60°	10729
65°	5895
70°	6197
75°	4813
80°	5034
85°	4262

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 92618 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	773.6	9.5
10°-20°	2231.5	27.3
20°-30°	2677.3	32.8
30°-40°	1799.2	22.1
40°-50°	538.6	6.6
50°-60°	95.1	1.2
60°-70°	27.0	0.3
70°-80°	13.2	0.2
80°-90°	4.2	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°	5682.4	69.6
0°-40°	7481.6	91.7
0°-60°	8115.3	99.5
0°-90°	8159.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8159.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8034	
5°	8010	774
15°	8053	2231
25°	5928	2677
35°	2898	1799
45°	599	539
55°	98	95
65°	23	27
75°	11	13
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8033.9
2.5°	8068.1
5°	8009.9
7.5°	8130.9
10°	8197.1
12.5°	8181.1
15°	8053.3
17.5°	7740.5
20°	7213.0
22.5°	6592.0
25°	5927.5
27.5°	5177.4
30°	4336.0
32.5°	3573.4
35°	2897.5
37.5°	2229.7
40°	1599.5
42.5°	1044.6
45°	599.4
47.5°	317.4
50°	197.5
52.5°	137.0
55°	98.2
57.5°	70.8
60°	49.1
62.5°	32.0
65°	22.8
67.5°	20.5
70°	19.4
72.5°	14.8
75°	11.4
77.5°	10.3
80°	8.0
82.5°	5.7
85°	3.4
87.5°	2.3
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)