

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: P756630

Luminaire Tested: LD4D95BD010-EU4DR6070959040-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756630
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR6070959040-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9805.5 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 99.2
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

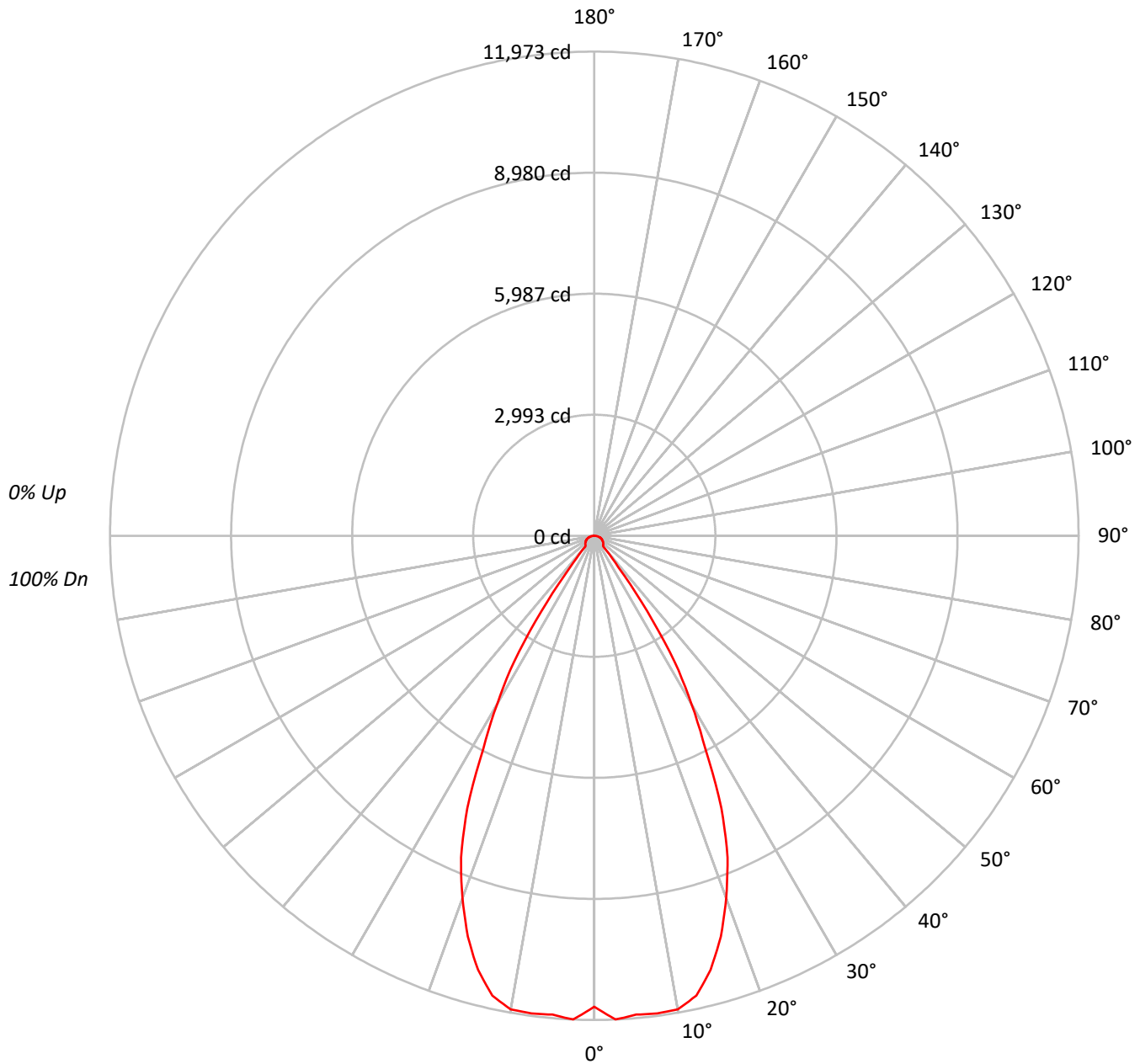


Downlight

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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				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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1272374
5°	1303667
10°	1319406
15°	1256912
20°	1108208
25°	896357
30°	606304
35°	303819
40°	49279
45°	48241
50°	49209
55°	49947
60°	51331
65°	52508
70°	53733
75°	54373
80°	52476
85°	43752

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 54373 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1136.0	11.6
10°-20°	3073.6	31.3
20°-30°	3306.9	33.7
30°-40°	1437.4	14.7
40°-50°	241.4	2.5
50°-60°	234.7	2.4
60°-70°	200.8	2.0
70°-80°	134.3	1.4
80°-90°	40.2	0.4
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°	7516.6	76.7
0°-40°	8954.0	91.3
0°-60°	9430.2	96.2
0°-90°	9805.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9805.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11645	
5°	11886	###
15°	11112	3074
25°	7435	3307
35°	2278	1437
45°	312	241
55°	262	235
65°	203	201
75°	129	134
85°	35	40
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11645.3
2.5°	11972.6
5°	11886.3
7.5°	11913.5
10°	11892.3
12.5°	11646.8
15°	11111.8
17.5°	10393.5
20°	9531.1
22.5°	8608.2
25°	7435.2
27.5°	5946.9
30°	4805.7
32.5°	3703.9
35°	2277.8
37.5°	974.5
40°	345.5
42.5°	318.3
45°	312.2
47.5°	301.6
50°	289.5
52.5°	275.8
55°	262.2
57.5°	248.5
60°	234.9
62.5°	219.8
65°	203.1
67.5°	186.4
70°	168.2
72.5°	148.5
75°	128.8
77.5°	106.1
80°	83.4
82.5°	59.1
85°	34.9
87.5°	12.1
90°	0.0



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— 0°-180°







(END OF REPORT)