

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: P756696

Luminaire Tested: LD4D95BD010-EU4DR6570959035-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756696
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-EU4DR6570959035-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6725.7 lumens
Efficiency: N/A
Efficacy: 67.8 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

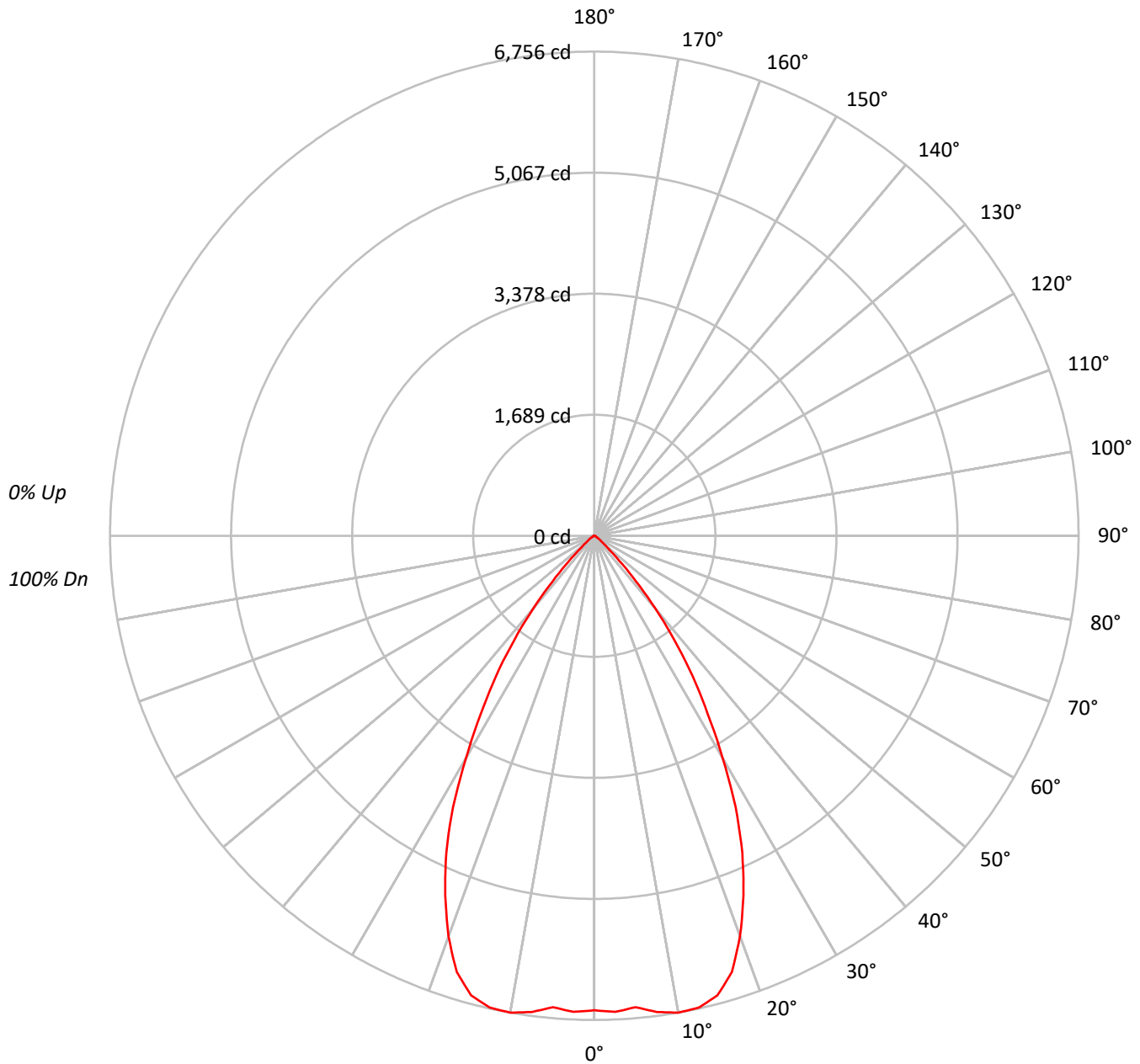


Downlight

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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					10
RW	70	50	30	10		70	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
1	113	111	108	106		111	108	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95		106	101	97	94		98	95	92		95	92	90		92	90	88
3	102	96	91	87		100	94	90	86		92	88	85		89	86	83		87	84	82
4	97	89	84	79		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	83	78	73		90	83	77	73		81	76	72		79	75	72		77	74	71
6	87	78	72	68		86	77	72	68		76	71	67		74	70	67		73	69	66
7	83	73	67	63		81	73	67	63		71	66	62		70	66	62		69	65	62
8	79	69	63	59		77	68	63	59		67	62	58		66	62	58		65	61	58
9	75	65	59	55		74	65	59	55		64	58	55		63	58	55		62	58	54
10	71	61	56	52		70	61	55	52		60	55	51		59	55	51		59	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	723525
5°	724117
10°	749609
15°	750858
20°	691289
25°	589012
30°	450908
35°	318558
40°	188043
45°	76332
50°	27673
55°	15411
60°	8850
65°	4860
70°	5111
75°	3968
80°	4153
85°	3510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 76332 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	637.6	9.5
10°-20°	1839.3	27.3
20°-30°	2206.8	32.8
30°-40°	1483.0	22.1
40°-50°	443.9	6.6
50°-60°	78.3	1.2
60°-70°	22.3	0.3
70°-80°	10.9	0.2
80°-90°	3.5	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°	4683.8	69.6
0°-40°	6166.8	91.7
0°-60°	6689.1	99.5
0°-90°	6725.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6725.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6622	
5°	6602	638
15°	6638	1839
25°	4886	2207
35°	2388	1483
45°	494	444
55°	81	78
65°	19	22
75°	9	11
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6622.0
2.5°	6650.2
5°	6602.2
7.5°	6702.0
10°	6756.5
12.5°	6743.4
15°	6638.0
17.5°	6380.1
20°	5945.4
22.5°	5433.5
25°	4885.8
27.5°	4267.5
30°	3574.0
32.5°	2945.4
35°	2388.3
37.5°	1837.8
40°	1318.4
42.5°	861.0
45°	494.0
47.5°	261.6
50°	162.8
52.5°	112.9
55°	80.9
57.5°	58.3
60°	40.5
62.5°	26.3
65°	18.8
67.5°	16.9
70°	16.0
72.5°	12.2
75°	9.4
77.5°	8.5
80°	6.6
82.5°	4.7
85°	2.8
87.5°	1.9
90°	0.0



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— 0°-180°







(END OF REPORT)