

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: P753654

Luminaire Tested: LD4D75BD010-EU4DR7070959035-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753654
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR7070959035-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5712.1 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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

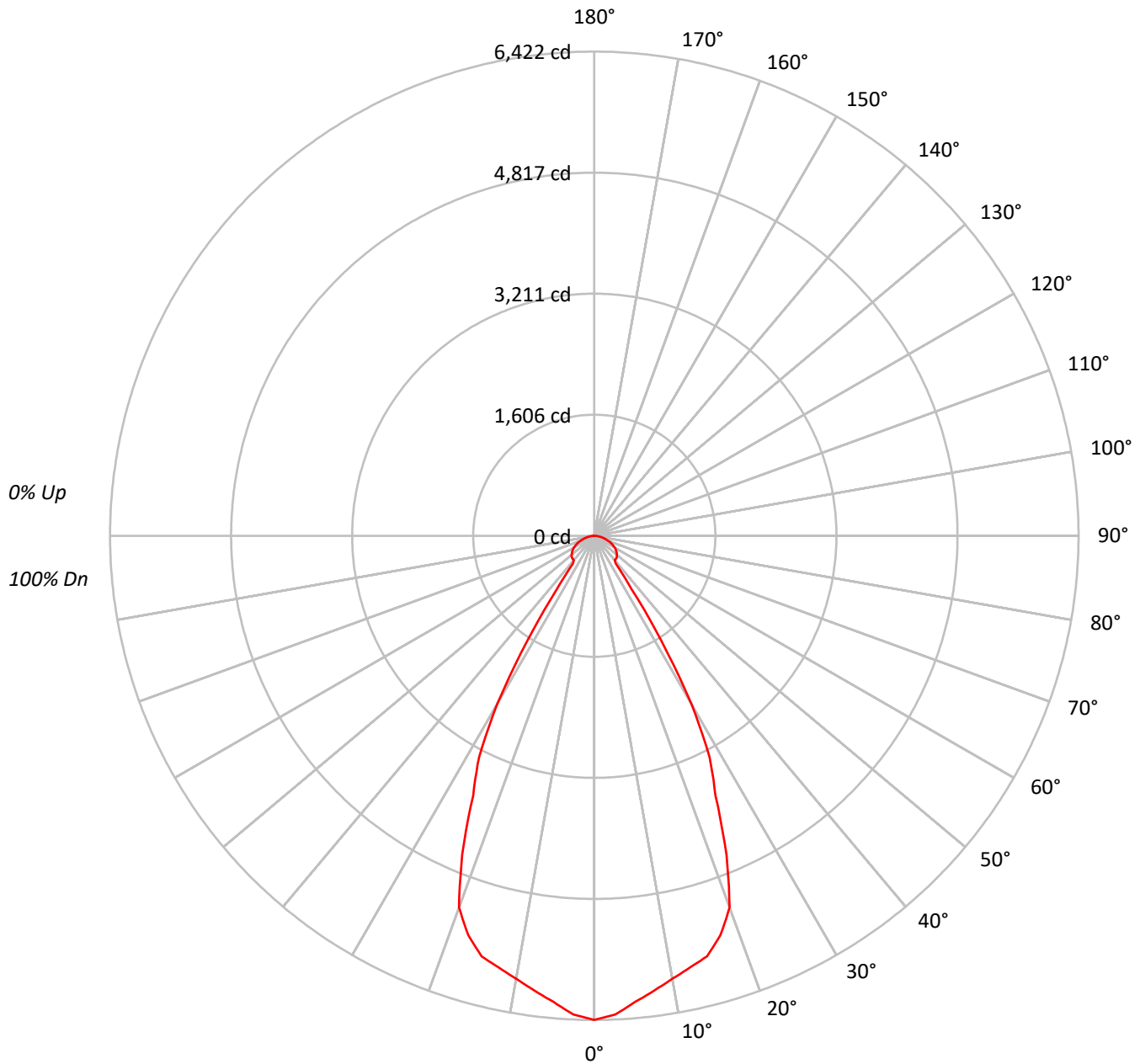


Downlight

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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
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	112	109	106	103		110	107	104	102		103	101	99		99	97	96		95	94	93
2	106	100	95	91		103	98	94	90		95	91	88		92	89	86		89	87	85
3	100	92	87	82		98	91	86	81		88	84	80		86	82	79		83	80	78
4	94	86	80	75		92	85	79	74		82	77	73		80	76	73		78	75	72
5	89	80	74	69		87	79	73	69		77	72	68		75	71	67		74	70	67
6	85	75	68	64		83	74	68	64		73	67	63		71	66	63		70	66	62
7	80	70	64	59		79	70	64	59		68	63	59		67	62	59		66	62	58
8	77	66	60	56		75	66	60	56		65	59	55		64	59	55		63	58	55
9	73	63	57	52		72	62	56	52		61	56	52		60	55	52		60	55	52
10	70	59	53	49		69	59	53	49		58	53	49		57	52	49		57	52	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	701662
5°	680816
10°	661839
15°	653149
20°	609909
25°	458197
30°	323899
35°	114736
40°	60332
45°	64264
50°	66547
55°	67796
60°	68201
65°	66779
70°	63029
75°	58384
80°	51847
85°	42122

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 68224 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	585.5	10.3
10°-20°	1606.0	28.1
20°-30°	1768.8	31.0
30°-40°	675.8	11.8
40°-50°	319.1	5.6
50°-60°	317.2	5.6
60°-70°	254.0	4.4
70°-80°	146.0	2.6
80°-90°	39.7	0.7
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°	3960.2	69.3
0°-40°	4636.0	81.2
0°-60°	5272.4	92.3
0°-90°	5712.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5712.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6422	
5°	6207	585
15°	5774	1606
25°	3801	1769
35°	860	676
45°	416	319
55°	356	317
65°	258	254
75°	138	146
85°	34	40
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6421.9
2.5°	6354.8
5°	6207.4
7.5°	6084.4
10°	5965.4
12.5°	5864.7
15°	5774.2
17.5°	5555.6
20°	5245.5
22.5°	4576.5
25°	3800.7
27.5°	3308.6
30°	2567.3
32.5°	1658.4
35°	860.2
37.5°	464.7
40°	423.0
42.5°	419.9
45°	415.9
47.5°	406.7
50°	391.5
52.5°	374.2
55°	355.9
57.5°	335.5
60°	312.1
62.5°	285.7
65°	258.3
67.5°	227.8
70°	197.3
72.5°	166.8
75°	138.3
77.5°	108.8
80°	82.4
82.5°	58.0
85°	33.6
87.5°	13.2
90°	0.0



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— 0°-180°







(END OF REPORT)