

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: P751288

Luminaire Tested: LD4D60D010-EU4DR7055659027-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751288
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: LD4D60D010-EU4DR7055659027-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4604.7 lumens
Efficiency: N/A
Efficacy: 71.5 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): 64.4
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

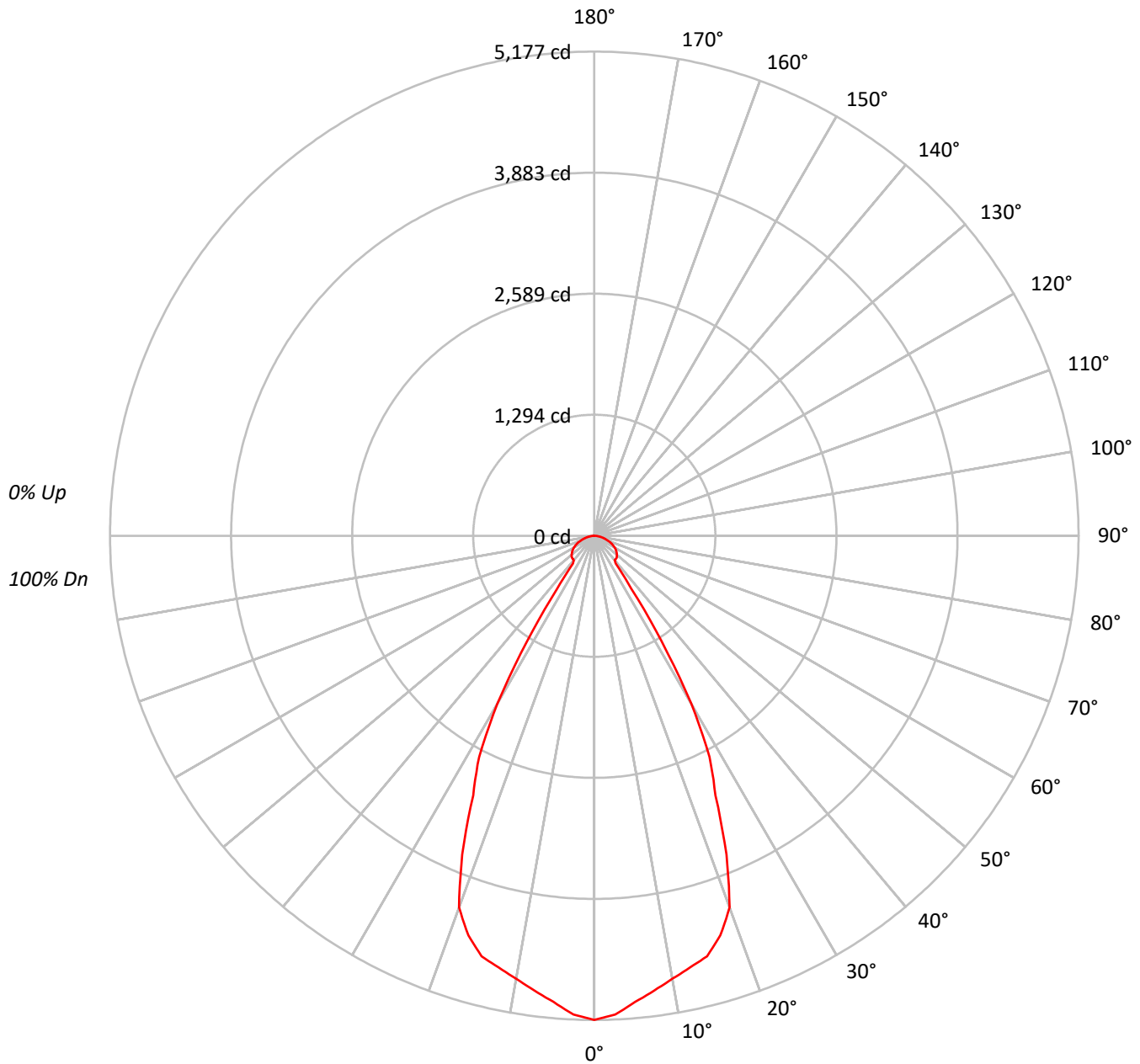


Downlight

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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78
5	89	80	74	69	87	79	73	69	77	72	68		75	71	67		74
6	85	75	68	64	83	74	68	64	73	67	63		71	66	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	77	66	60	56	75	66	60	56	65	59	55		64	59	55		63
9	73	63	57	52	72	62	56	52	61	56	52		60	55	52		60
10	70	59	53	49	69	59	53	49	58	53	49		57	52	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	565643
5°	548829
10°	533541
15°	526539
20°	491671
25°	369371
30°	261120
35°	92488
40°	48637
45°	51794
50°	53646
55°	54652
60°	54980
65°	53827
70°	50794
75°	47070
80°	41779
85°	33848

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 55007 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	472.0	10.3
10°-20°	1294.6	28.1
20°-30°	1425.9	31.0
30°-40°	544.8	11.8
40°-50°	257.2	5.6
50°-60°	255.7	5.6
60°-70°	204.7	4.4
70°-80°	117.7	2.6
80°-90°	32.0	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°	3192.5	69.3
0°-40°	3737.3	81.2
0°-60°	4250.3	92.3
0°-90°	4604.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4604.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5177	
5°	5004	472
15°	4655	1295
25°	3064	1426
35°	693	545
45°	335	257
55°	287	256
65°	208	205
75°	112	118
85°	27	32
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5177.0
2.5°	5122.9
5°	5004.0
7.5°	4904.9
10°	4809.0
12.5°	4727.8
15°	4654.9
17.5°	4478.6
20°	4228.6
22.5°	3689.3
25°	3063.9
27.5°	2667.2
30°	2069.7
32.5°	1336.9
35°	693.4
37.5°	374.6
40°	341.0
42.5°	338.5
45°	335.2
47.5°	327.9
50°	315.6
52.5°	301.6
55°	286.9
57.5°	270.5
60°	251.6
62.5°	230.3
65°	208.2
67.5°	183.6
70°	159.0
72.5°	134.4
75°	111.5
77.5°	87.7
80°	66.4
82.5°	46.7
85°	27.0
87.5°	10.7
90°	0.0



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— 0°-180°







(END OF REPORT)