

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: P751314

Luminaire Tested: LD4D60D010-EU4DR7055659035-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751314
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-EU4DR7055659035-4LBDP1MW
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: 4793.8 lumens
Efficiency: N/A
Efficacy: 74.4 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 (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

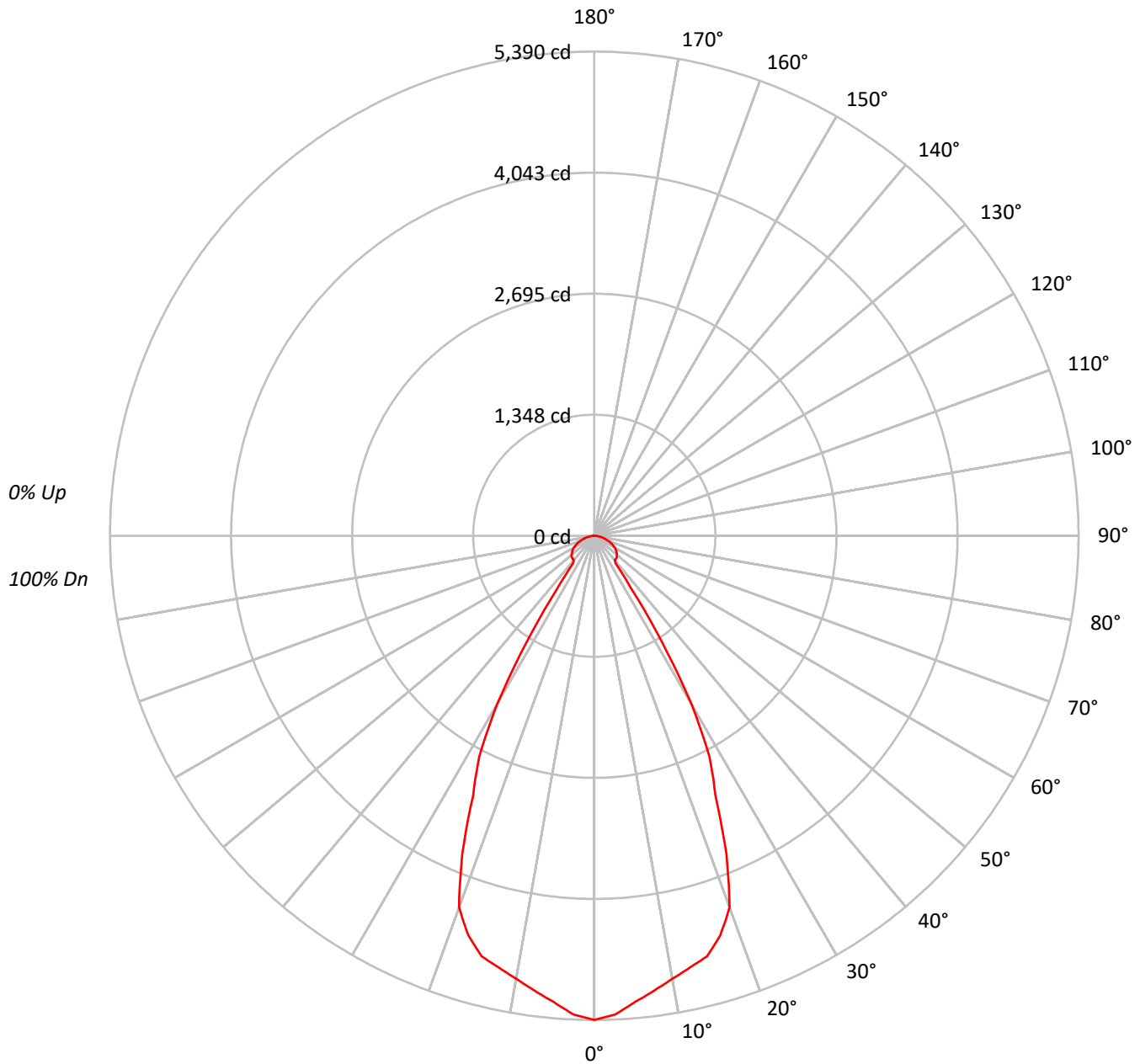


Downlight

TEST NUMBER: P751314

CATALOG NUMBER: LD4D60D010-EU4DR7055659035-4LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P751314

CATALOG NUMBER: LD4D60D010-EU4DR7055659035-4LBDP1MW

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°	588872
5°	571379
10°	555453
15°	548167
20°	511868
25°	384537
30°	271844
35°	96289
40°	50634
45°	53927
50°	55838
55°	56899
60°	57253
65°	56024
70°	52870
75°	49012
80°	43478
85°	35352

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 57264 cd/sqm



TEST NUMBER: P751314

CATALOG NUMBER: LD4D60D010-EU4DR7055659035-4LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	491.4	10.3
10°-20°	1347.8	28.1
20°-30°	1484.4	31.0
30°-40°	567.2	11.8
40°-50°	267.8	5.6
50°-60°	266.2	5.6
60°-70°	213.1	4.4
70°-80°	122.5	2.6
80°-90°	33.3	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°	3323.6	69.3
0°-40°	3890.8	81.2
0°-60°	4424.8	92.3
0°-90°	4793.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4793.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5390	
5°	5210	491
15°	4846	1348
25°	3190	1484
35°	722	567
45°	349	268
55°	299	266
65°	217	213
75°	116	123
85°	28	33
90°	0	



TEST NUMBER: P751314

CATALOG NUMBER: LD4D60D010-EU4DR7055659035-4LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	5389.6
2.5°	5333.3
5°	5209.6
7.5°	5106.3
10°	5006.5
12.5°	4922.0
15°	4846.1
17.5°	4662.6
20°	4402.3
22.5°	3840.8
25°	3189.7
27.5°	2776.7
30°	2154.7
32.5°	1391.8
35°	721.9
37.5°	390.0
40°	355.0
42.5°	352.4
45°	349.0
47.5°	341.3
50°	328.5
52.5°	314.0
55°	298.7
57.5°	281.6
60°	262.0
62.5°	239.8
65°	216.7
67.5°	191.1
70°	165.5
72.5°	139.9
75°	116.1
77.5°	91.3
80°	69.1
82.5°	48.6
85°	28.2
87.5°	11.1
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)