

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: P751238

Luminaire Tested: LD4D60D010-EU4DR6555659035-4LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P751238
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR6555659035-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5608.0 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' 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

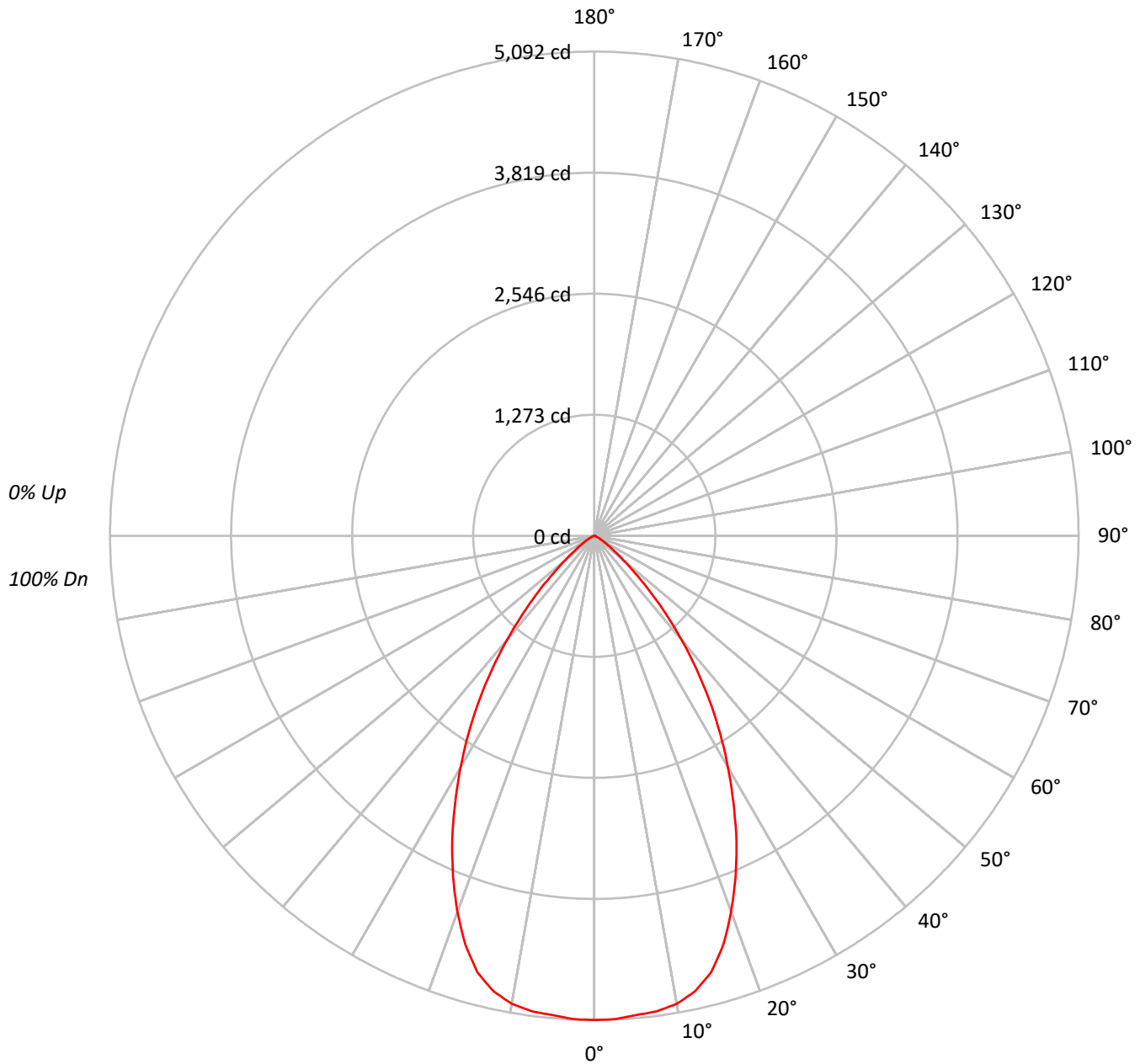


Downlight

TEST NUMBER: P751238

CATALOG NUMBER: LD4D60D010-EU4DR6555659035-4LBS1H

Luminous Intensity Polar Plot



TEST NUMBER: P751238

CATALOG NUMBER: LD4D60D010-EU4DR6555659035-4LBS1H

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	113	110	107	105	111	108	105	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	92	97	93	90		94	91	88		91
3	101	94	88	84	99	92	87	83	90	86	82		87	84	81		85
4	95	87	81	76	93	86	80	76	84	79	75		82	77	74		80
5	90	81	74	70	88	80	74	69	78	73	69		76	72	68		75
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70
7	80	70	64	59	79	69	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	51		59	54	50		58
10	68	58	52	47	67	57	51	47	57	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	297393
5°	296641
10°	296388
15°	287253
20°	261505
25°	227885
30°	189537
35°	150182
40°	108392
45°	68480
50°	35690
55°	18970
60°	9964
65°	5486
70°	2305
75°	2527
80°	1749
85°	1474

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 68480 cd/sqm



TEST NUMBER: P751238

CATALOG NUMBER: LD4D60D010-EU4DR6555659035-4LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	481.5	8.6
10°-20°	1318.6	23.5
20°-30°	1611.8	28.7
30°-40°	1307.8	23.3
40°-50°	651.7	11.6
50°-60°	181.8	3.2
60°-70°	41.3	0.7
70°-80°	10.7	0.2
80°-90°	2.7	0.0
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°	3412.0	60.8
0°-40°	4719.8	84.2
0°-60°	5553.3	99.0
0°-90°	5608.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5608.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5092	
5°	5060	482
15°	4751	1319
25°	3536	1612
35°	2106	1308
45°	829	652
55°	186	182
65°	40	41
75°	11	11
85°	2	3
90°	0	



TEST NUMBER: P751238

CATALOG NUMBER: LD4D60D010-EU4DR6555659035-4LBS1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	5092.0
2.5°	5088.2
5°	5059.8
7.5°	5043.3
10°	4997.7
12.5°	4904.9
15°	4750.8
17.5°	4509.8
20°	4207.5
22.5°	3881.3
25°	3536.3
27.5°	3167.4
30°	2810.5
32.5°	2458.1
35°	2106.4
37.5°	1755.4
40°	1421.7
42.5°	1108.9
45°	829.1
47.5°	577.7
50°	392.8
52.5°	270.9
55°	186.3
57.5°	125.7
60°	85.3
62.5°	59.1
65°	39.7
67.5°	20.2
70°	13.5
72.5°	12.7
75°	11.2
77.5°	7.5
80°	5.2
82.5°	3.7
85°	2.2
87.5°	1.5
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)