

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: P768573

Luminaire Tested: LD6D55D010-EU6DR7055659027-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768573
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D55D010-EU6DR7055659027-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6250.8 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 58.2
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

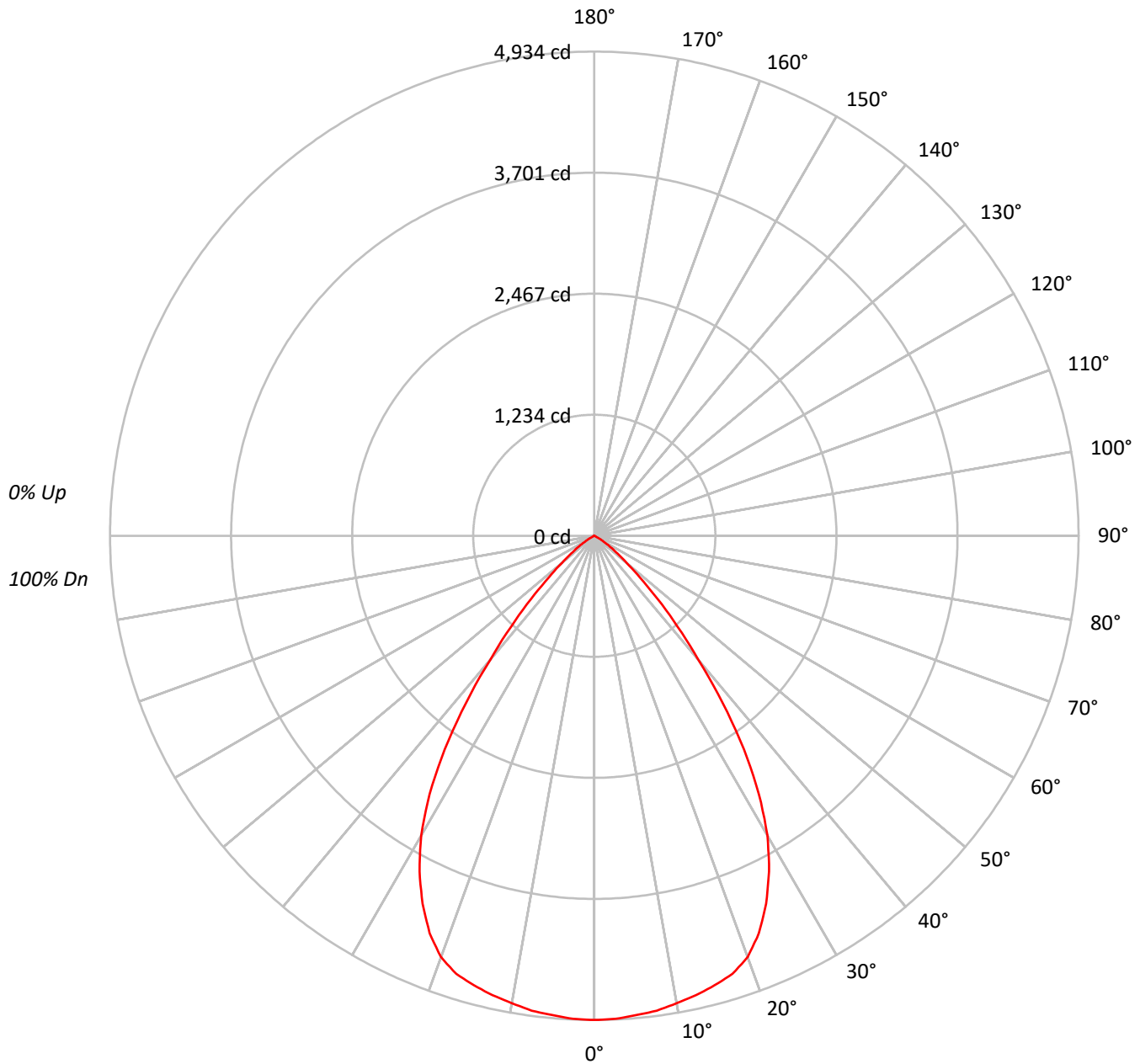


Downlight

TEST NUMBER: P768573

CATALOG NUMBER: LD6D55D010-EU6DR7055659027-6LBS1B

Luminous Intensity Polar Plot



TEST NUMBER: P768573

CATALOG NUMBER: LD6D55D010-EU6DR7055659027-6LBS1B

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	106	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	85	82		87	84	81		85
4	95	87	81	76	93	86	80	76	83	78	75		81	77	74		79
5	89	80	74	69	88	79	73	69	78	72	68		76	71	68		74
6	84	75	68	63	83	74	68	63	72	67	63		71	66	62		69
7	80	69	63	58	78	69	62	58	67	62	58		66	61	57		65
8	75	65	58	54	74	64	58	54	63	57	53		62	57	53		61
9	71	61	54	50	70	60	54	50	59	53	50		58	53	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	539060
5°	537708
10°	536547
15°	536392
20°	531146
25°	498945
30°	444814
35°	354651
40°	235496
45°	140781
50°	72989
55°	38365
60°	13570
65°	233
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 140781 cd/sqm



TEST NUMBER: P768573

CATALOG NUMBER: LD6D55D010-EU6DR7055659027-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	466.2	7.5
10°-20°	1337.2	21.4
20°-30°	1886.4	30.2
30°-40°	1628.4	26.1
40°-50°	729.2	11.7
50°-60°	190.9	3.1
60°-70°	12.4	0.2
70°-80°	0.0	0.0
80°-90°	0.0	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°	3689.8	59.0
0°-40°	5318.2	85.1
0°-60°	6238.3	99.8
0°-90°	6250.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6250.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4934	
5°	4903	466
15°	4742	1337
25°	4139	1886
35°	2659	1628
45°	911	729
55°	201	191
65°	1	12
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P768573

CATALOG NUMBER: LD6D55D010-EU6DR7055659027-6LBS1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	4933.7
2.5°	4928.3
5°	4902.6
7.5°	4881.3
10°	4836.1
12.5°	4795.3
15°	4742.0
17.5°	4680.8
20°	4568.1
22.5°	4382.7
25°	4138.7
27.5°	3855.7
30°	3525.7
32.5°	3122.0
35°	2658.9
37.5°	2147.9
40°	1651.1
42.5°	1254.5
45°	911.1
47.5°	628.1
50°	429.4
52.5°	296.3
55°	201.4
57.5°	121.5
60°	62.1
62.5°	19.5
65°	0.9
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)