

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: P772509

Luminaire Tested: LD6D80BD010-EU6DR7070959040-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772509
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: LD6D80BD010-EU6DR7070959040-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10320.0 lumens
Efficiency: N/A
Efficacy: 130.8 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): 78.9
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

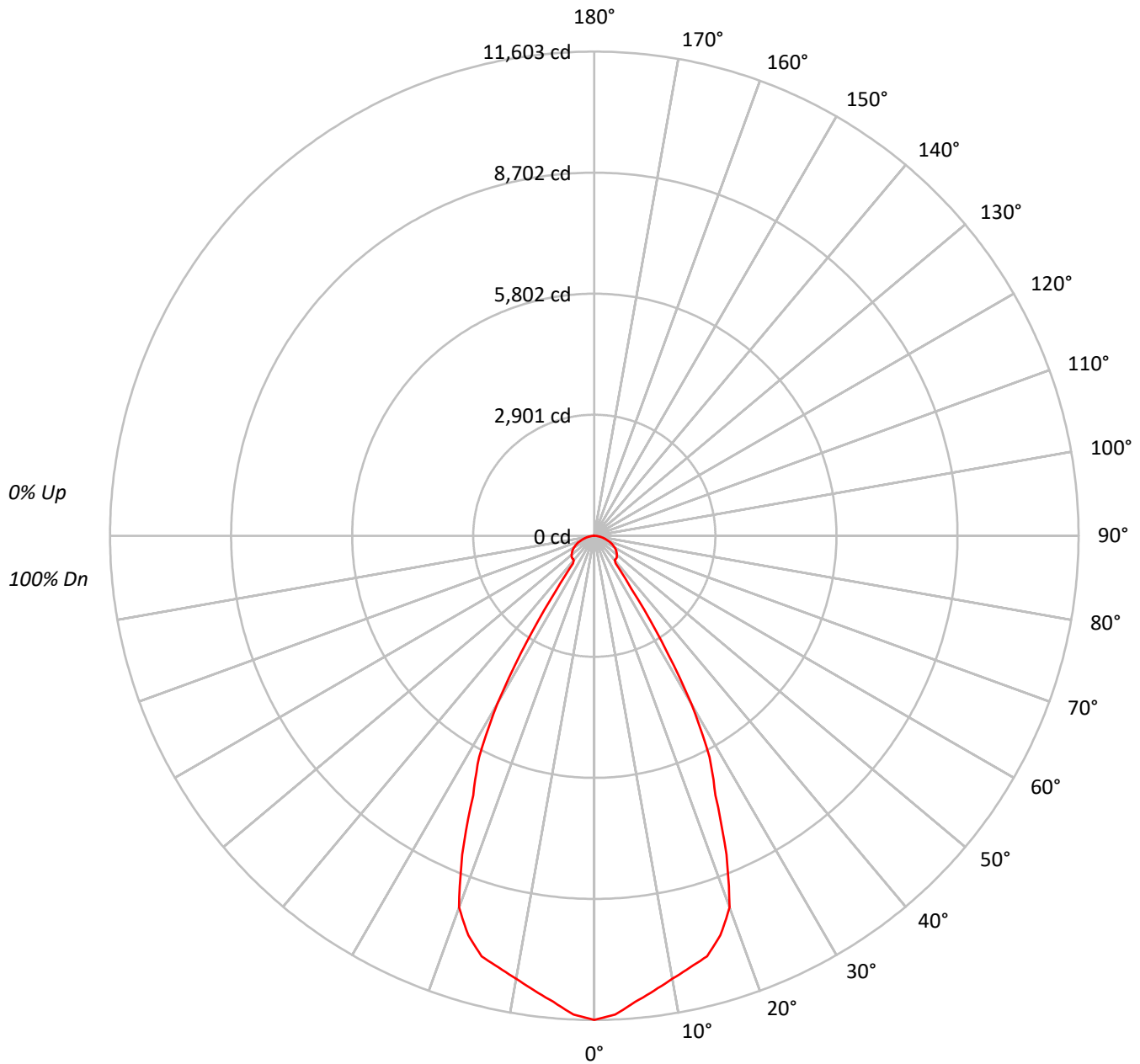


Downlight

TEST NUMBER: P772509

CATALOG NUMBER: LD6D80BD010-EU6DR7070959040-6LBDP1H

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°	1267709
5°	1230040
10°	1195757
15°	1180073
20°	1101941
25°	827833
30°	585209
35°	207290
40°	108998
45°	116089
50°	120227
55°	122485
60°	123246
65°	120631
70°	113855
75°	105453
80°	93626
85°	75970

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 123272 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1057.8	10.3
10°-20°	2901.6	28.1
20°-30°	3195.7	31.0
30°-40°	1221.0	11.8
40°-50°	576.5	5.6
50°-60°	573.2	5.6
60°-70°	458.9	4.4
70°-80°	263.8	2.6
80°-90°	71.7	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°	7155.0	69.3
0°-40°	8376.0	81.2
0°-60°	9525.7	92.3
0°-90°	10320.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10320.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11603	
5°	11215	###
15°	10432	2902
25°	6867	3196
35°	1554	1221
45°	751	577
55°	643	573
65°	467	459
75°	250	264
85°	61	72
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11602.6
2.5°	11481.4
5°	11215.0
7.5°	10992.8
10°	10777.8
12.5°	10596.0
15°	10432.5
17.5°	10037.5
20°	9477.2
22.5°	8268.4
25°	6866.8
27.5°	5977.7
30°	4638.5
32.5°	2996.2
35°	1554.1
37.5°	839.5
40°	764.2
42.5°	758.7
45°	751.3
47.5°	734.8
50°	707.3
52.5°	676.0
55°	643.0
57.5°	606.2
60°	564.0
62.5°	516.2
65°	466.6
67.5°	411.5
70°	356.4
72.5°	301.3
75°	249.8
77.5°	196.6
80°	148.8
82.5°	104.7
85°	60.6
87.5°	23.9
90°	0.0



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— 0°-180°







(END OF REPORT)