

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: P773225

Luminaire Tested: LD6D85BD010-EU6DR6570959050-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773225
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR6570959050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10085.4 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 87.7
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

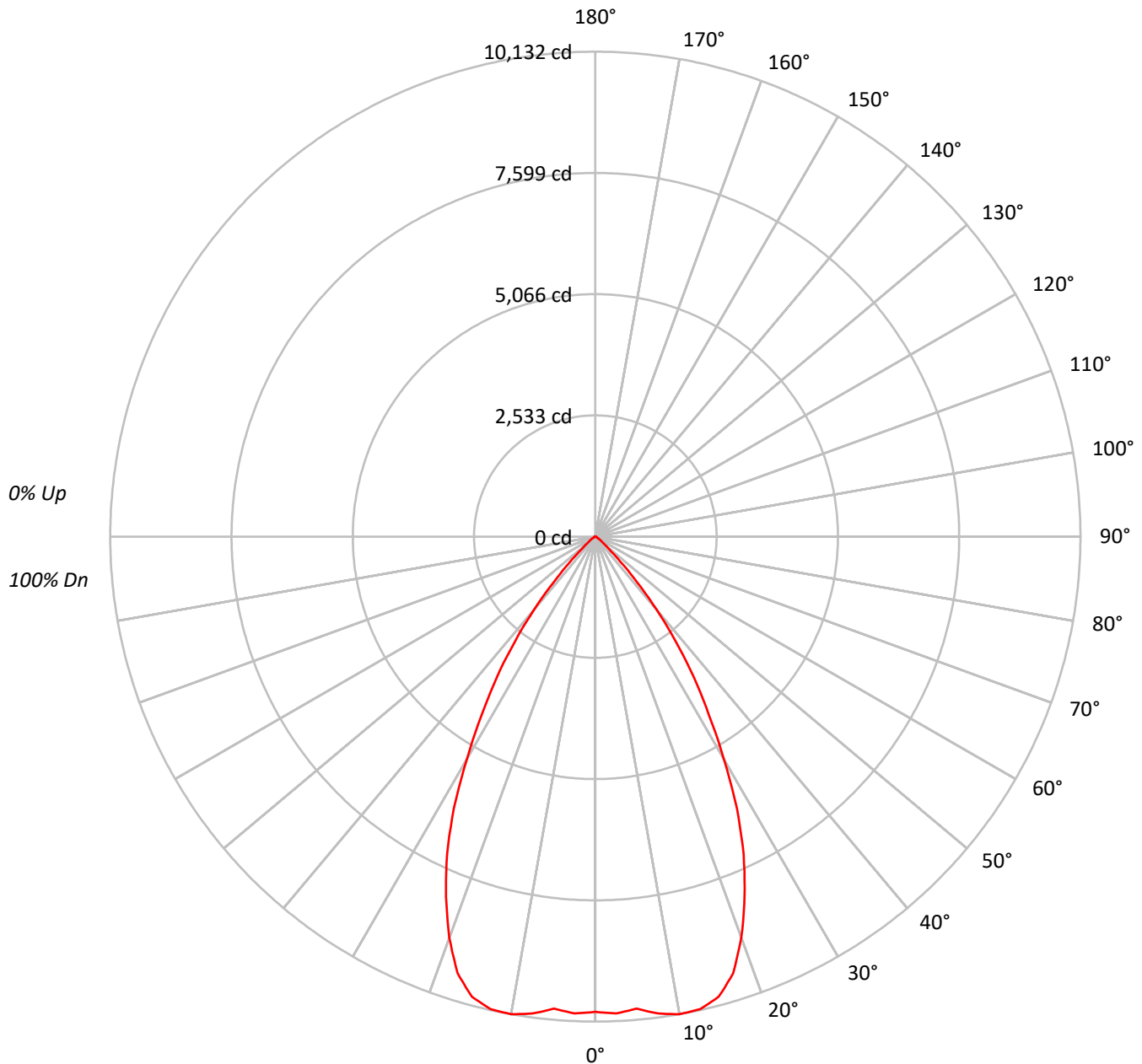


Downlight

TEST NUMBER: P773225

CATALOG NUMBER: LD6D85BD010-EU6DR6570959050-6LBDP1LI

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	113	111	108	106		111	108	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95		106	101	97	94		98	95	92		95	92	90		92	90	88
3	102	96	91	87		100	94	90	86		92	88	85		89	86	83		87	84	82
4	97	89	84	79		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	83	78	73		90	83	77	73		81	76	72		79	75	72		77	74	71
6	87	78	72	68		86	77	72	68		76	71	67		74	70	67		73	69	66
7	83	73	67	63		81	73	67	63		71	66	62		70	66	62		69	65	62
8	79	69	63	59		77	68	63	59		67	62	58		66	62	58		65	61	58
9	75	65	59	55		74	65	59	55		64	58	55		63	58	55		62	58	54
10	71	61	56	52		70	61	55	52		60	55	51		59	55	51		59	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1084937
5°	1085835
10°	1124063
15°	1125925
20°	1036596
25°	883229
30°	676148
35°	477684
40°	281965
45°	114467
50°	41492
55°	23126
60°	13264
65°	7291
70°	7667
75°	5952
80°	6229
85°	5265

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 114467 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	956.2	9.5
10°-20°	2758.1	27.3
20°-30°	3309.2	32.8
30°-40°	2223.8	22.1
40°-50°	665.7	6.6
50°-60°	117.5	1.2
60°-70°	33.4	0.3
70°-80°	16.4	0.2
80°-90°	5.2	0.1
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°	7023.4	69.6
0°-40°	9247.2	91.7
0°-60°	10030.4	99.5
0°-90°	10085.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10085.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9930	
5°	9900	956
15°	9954	2758
25°	7326	3309
35°	3581	2224
45°	741	666
55°	121	117
65°	28	33
75°	14	16
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9929.8
2.5°	9972.1
5°	9900.2
7.5°	10049.7
10°	10131.6
12.5°	10111.8
15°	9953.8
17.5°	9567.1
20°	8915.2
22.5°	8147.6
25°	7326.3
27.5°	6399.3
30°	5359.3
32.5°	4416.7
35°	3581.3
37.5°	2755.8
40°	1976.9
42.5°	1291.1
45°	740.8
47.5°	392.3
50°	244.1
52.5°	169.3
55°	121.4
57.5°	87.5
60°	60.7
62.5°	39.5
65°	28.2
67.5°	25.4
70°	24.0
72.5°	18.3
75°	14.1
77.5°	12.7
80°	9.9
82.5°	7.1
85°	4.2
87.5°	2.8
90°	0.0



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— 0°-180°







(END OF REPORT)