

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: P771642

Luminaire Tested: LD6D75BD010-EU6DR6570959035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771642
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: LD6D75BD010-EU6DR6570959035-6LBS1H
Description: 6 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: 7951.8 lumens
Efficiency: N/A
Efficacy: 109.8 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): 72.4
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

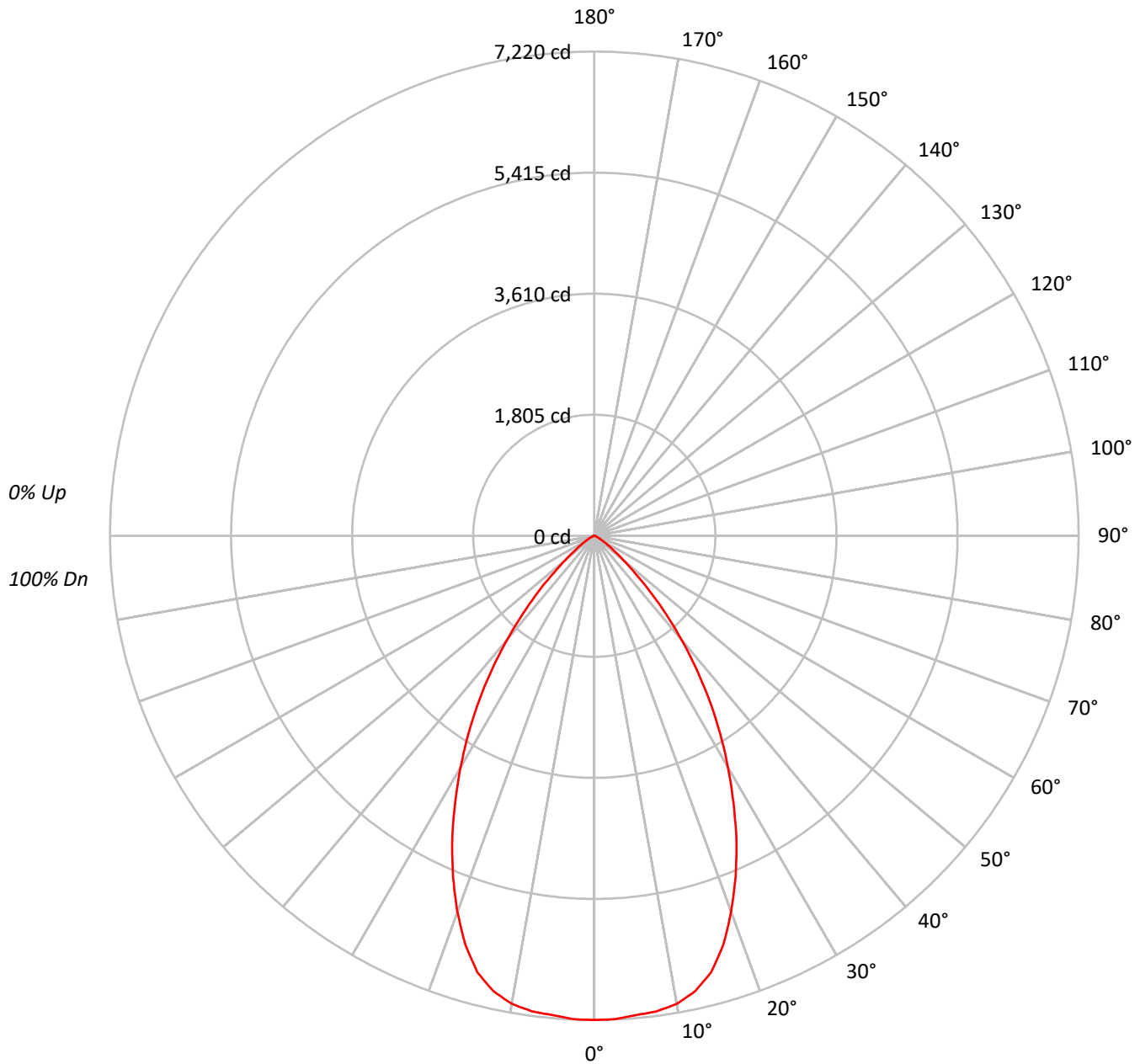


Downlight

TEST NUMBER: P771642

CATALOG NUMBER: LD6D75BD010-EU6DR6570959035-6LBS1H

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	110	107	105		111	108	105	103		104	102	100		100	99	97		97	95	94
2	107	102	97	94		105	100	96	92		97	93	90		94	91	88		91	89	87
3	101	94	88	84		99	92	87	83		90	86	82		87	84	81		85	82	80
4	95	87	81	76		93	86	80	76		84	79	75		82	77	74		80	76	73
5	90	81	74	70		88	80	74	69		78	73	69		76	72	68		75	71	68
6	85	75	69	64		83	74	68	64		73	67	63		71	67	63		70	66	62
7	80	70	64	59		79	69	63	59		68	63	59		67	62	58		66	61	58
8	76	66	59	55		75	65	59	55		64	58	54		63	58	54		62	57	54
9	72	61	55	51		71	61	55	51		60	54	51		59	54	50		58	54	50
10	68	58	52	47		67	57	51	47		57	51	47		56	51	47		55	50	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	421676
5°	420613
10°	420252
15°	407299
20°	370793
25°	323123
30°	268751
35°	212946
40°	153694
45°	97099
50°	50609
55°	26902
60°	14134
65°	7767
70°	3262
75°	3588
80°	2489
85°	2144

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 97099 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	682.8	8.6
10°-20°	1869.7	23.5
20°-30°	2285.5	28.7
30°-40°	1854.3	23.3
40°-50°	924.1	11.6
50°-60°	257.7	3.2
60°-70°	58.6	0.7
70°-80°	15.2	0.2
80°-90°	3.9	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°	4838.0	60.8
0°-40°	6692.3	84.2
0°-60°	7874.1	99.0
0°-90°	7951.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7951.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7220	
5°	7174	683
15°	6736	1870
25°	5014	2285
35°	2987	1854
45°	1176	924
55°	264	258
65°	56	59
75°	16	15
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7220.0
2.5°	7214.7
5°	7174.4
7.5°	7151.1
10°	7086.3
12.5°	6954.8
15°	6736.2
17.5°	6394.6
20°	5965.9
22.5°	5503.4
25°	5014.2
27.5°	4491.2
30°	3985.1
32.5°	3485.3
35°	2986.7
37.5°	2489.1
40°	2015.9
42.5°	1572.4
45°	1175.6
47.5°	819.1
50°	557.0
52.5°	384.1
55°	264.2
57.5°	178.2
60°	121.0
62.5°	83.8
65°	56.2
67.5°	28.6
70°	19.1
72.5°	18.0
75°	15.9
77.5°	10.6
80°	7.4
82.5°	5.3
85°	3.2
87.5°	2.1
90°	0.0



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— 0°-180°







(END OF REPORT)