

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: P753605

Luminaire Tested: LD4D75BD010-EU4DR6570959050-4LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P753605
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: LD4D75BD010-EU4DR6570959050-4LBS1LI
Description: 4 INCH ROUND SHALLOW 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: 7396.8 lumens
Efficiency: N/A
Efficacy: 102.2 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

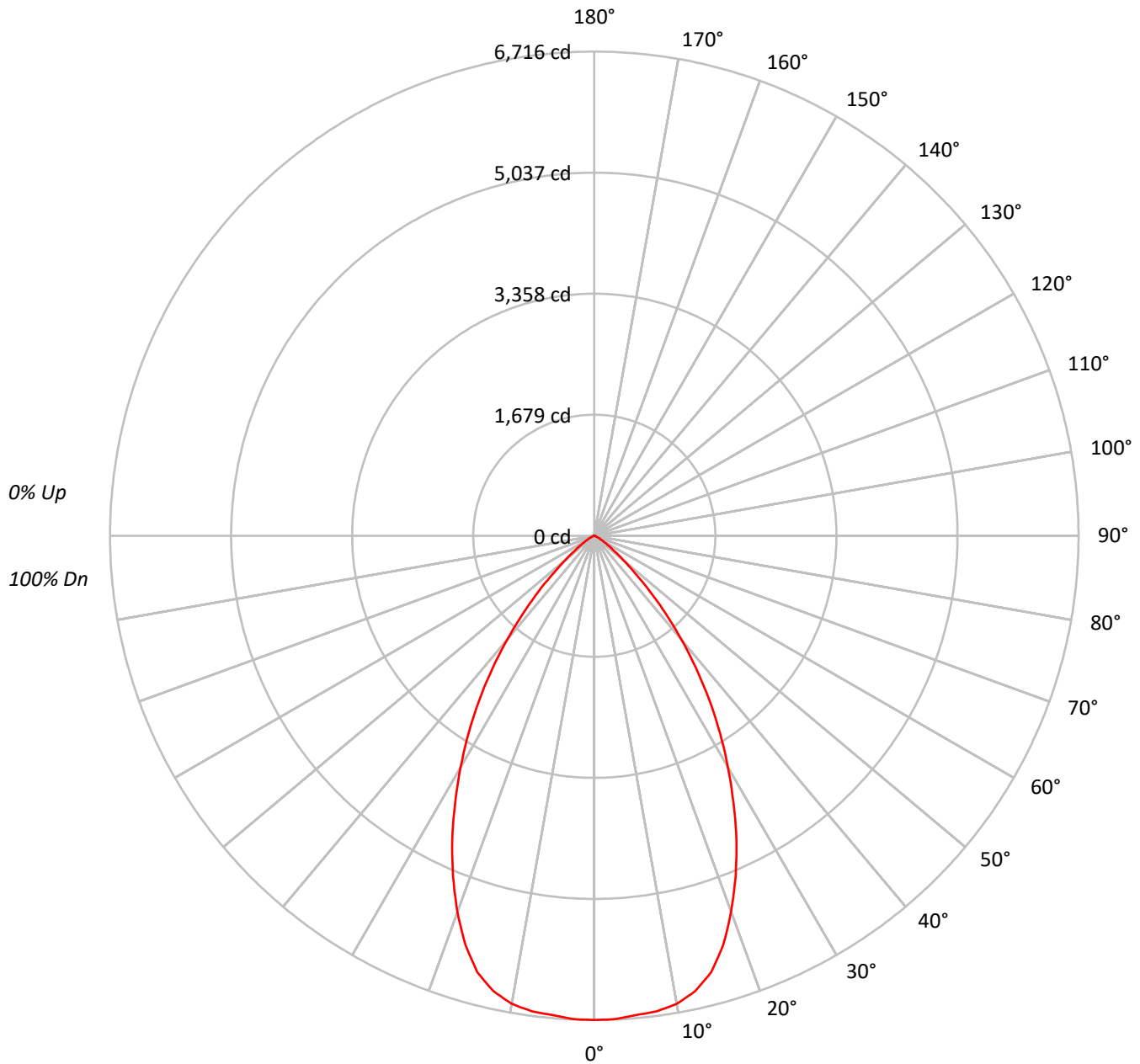


Downlight

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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°	392246
5°	391253
10°	390920
15°	378868
20°	344913
25°	300575
30°	249990
35°	198080
40°	142967
45°	90318
50°	47075
55°	25018
60°	13141
65°	7228
70°	3040
75°	3340
80°	2321
85°	2010

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 90318 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	635.1	8.6
10°-20°	1739.2	23.5
20°-30°	2125.9	28.7
30°-40°	1724.9	23.3
40°-50°	859.5	11.6
50°-60°	239.7	3.2
60°-70°	54.5	0.7
70°-80°	14.2	0.2
80°-90°	3.6	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°	4500.3	60.8
0°-40°	6225.2	84.2
0°-60°	7324.5	99.0
0°-90°	7396.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7396.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6716	
5°	6674	635
15°	6266	1739
25°	4664	2126
35°	2778	1725
45°	1094	860
55°	246	240
65°	52	54
75°	15	14
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6716.1
2.5°	6711.2
5°	6673.6
7.5°	6651.9
10°	6591.7
12.5°	6469.4
15°	6266.0
17.5°	5948.3
20°	5549.5
22.5°	5119.2
25°	4664.3
27.5°	4177.7
30°	3706.9
32.5°	3242.1
35°	2778.2
37.5°	2315.3
40°	1875.2
42.5°	1462.6
45°	1093.5
47.5°	761.9
50°	518.1
52.5°	357.3
55°	245.7
57.5°	165.8
60°	112.5
62.5°	78.0
65°	52.3
67.5°	26.6
70°	17.8
72.5°	16.8
75°	14.8
77.5°	9.9
80°	6.9
82.5°	4.9
85°	3.0
87.5°	2.0
90°	0.0



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Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)