

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: P752966

Luminaire Tested: LD4D75BD010-EU4DR2570959040-4LBS1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P752966
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR2570959040-4LBS1B
Description: 4 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6677.3 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
Luminous Opening: Circular (Dia: 0.35' 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

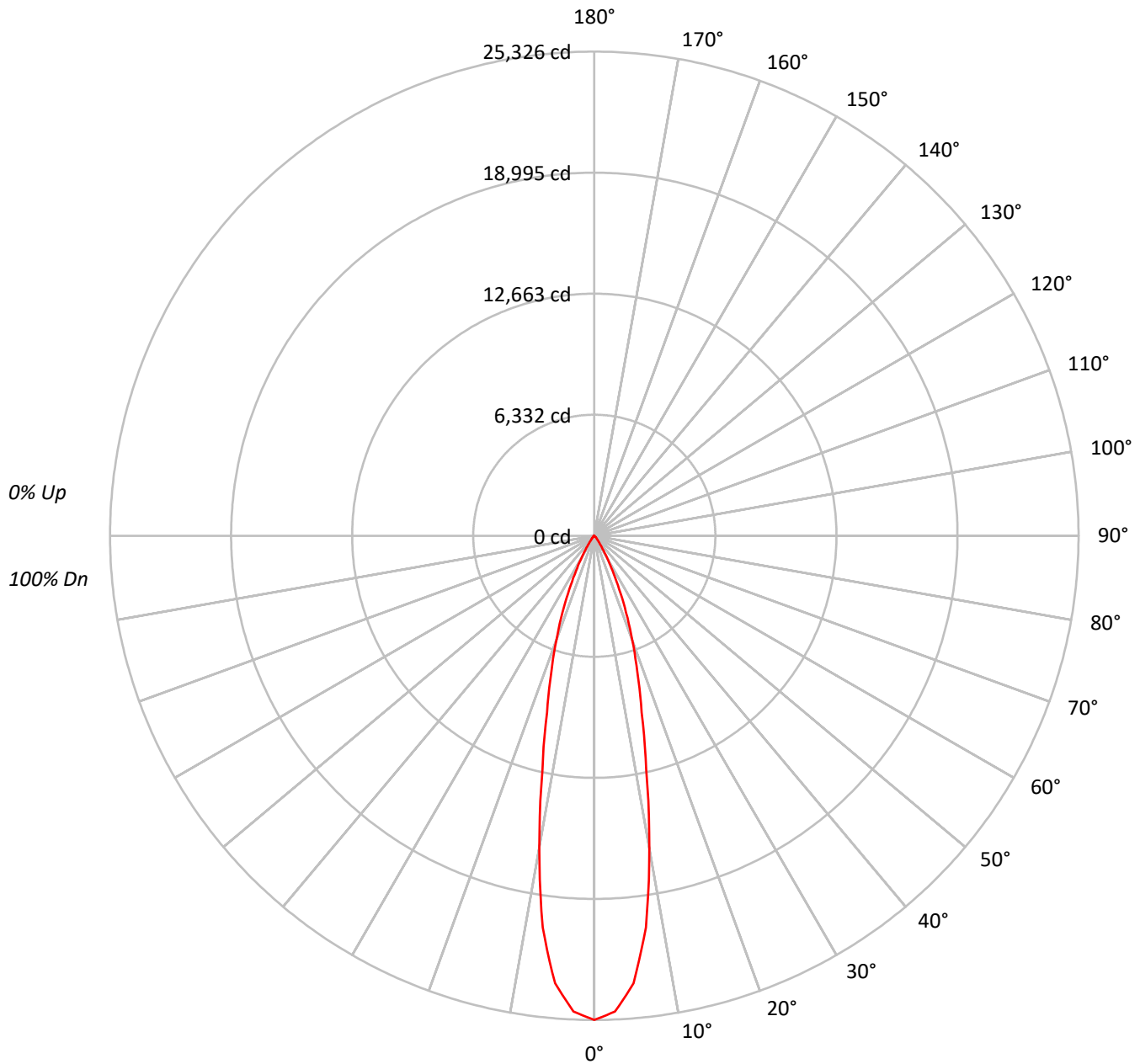


Downlight

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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	115	113	111	109		112	110	109	107		106	105	104		103	102	101		99	99	98
2	111	107	104	101		109	105	102	100		102	100	98		99	97	96		97	95	94
3	107	102	98	95		105	101	97	94		98	95	93		96	93	91		94	92	90
4	103	97	93	90		102	96	93	90		94	91	89		93	90	88		91	89	87
5	100	93	89	86		98	93	89	86		91	87	85		89	86	84		88	85	83
6	97	90	85	82		95	89	85	82		88	84	81		87	83	81		85	83	80
7	93	87	82	79		92	86	82	79		85	81	78		84	80	78		83	80	78
8	91	84	79	76		90	83	79	76		82	78	76		81	78	75		80	77	75
9	88	81	76	73		87	80	76	73		80	76	73		79	75	73		78	75	73
10	85	78	74	71		85	78	74	71		77	73	71		76	73	71		76	73	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2767094
5°	2577194
10°	1838380
15°	1082737
20°	673697
25°	369721
30°	169084
35°	64037
40°	28997
45°	17430
50°	7241
55°	4667
60°	3256
65°	2198
70°	351
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17430 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2019.4	30.2
10°-20°	2735.2	41.0
20°-30°	1447.4	21.7
30°-40°	357.3	5.4
40°-50°	87.2	1.3
50°-60°	23.0	0.3
60°-70°	7.7	0.1
70°-80°	0.1	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°	6202.1	92.9
0°-40°	6559.4	98.2
0°-60°	6669.5	99.9
0°-90°	6677.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6677.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	25326	
5°	23498	###
15°	9572	2735
25°	3067	1447
35°	480	357
45°	113	87
55°	24	23
65°	8	8
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	25325.6
2.5°	24909.3
5°	23497.8
7.5°	20662.0
10°	16570.0
12.5°	12526.0
15°	9572.0
17.5°	7460.0
20°	5794.1
22.5°	4345.3
25°	3066.8
27.5°	2056.6
30°	1340.2
32.5°	815.4
35°	480.1
37.5°	293.8
40°	203.3
42.5°	155.4
45°	112.8
47.5°	68.1
50°	42.6
52.5°	30.9
55°	24.5
57.5°	19.2
60°	14.9
62.5°	11.7
65°	8.5
67.5°	3.2
70°	1.1
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



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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)