

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: P753664

Luminaire Tested: LD4D75BD010-EU4DR7070959040-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753664
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: LD4D75BD010-EU4DR7070959040-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4453.7 lumens
Efficiency: N/A
Efficacy: 61.5 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): 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

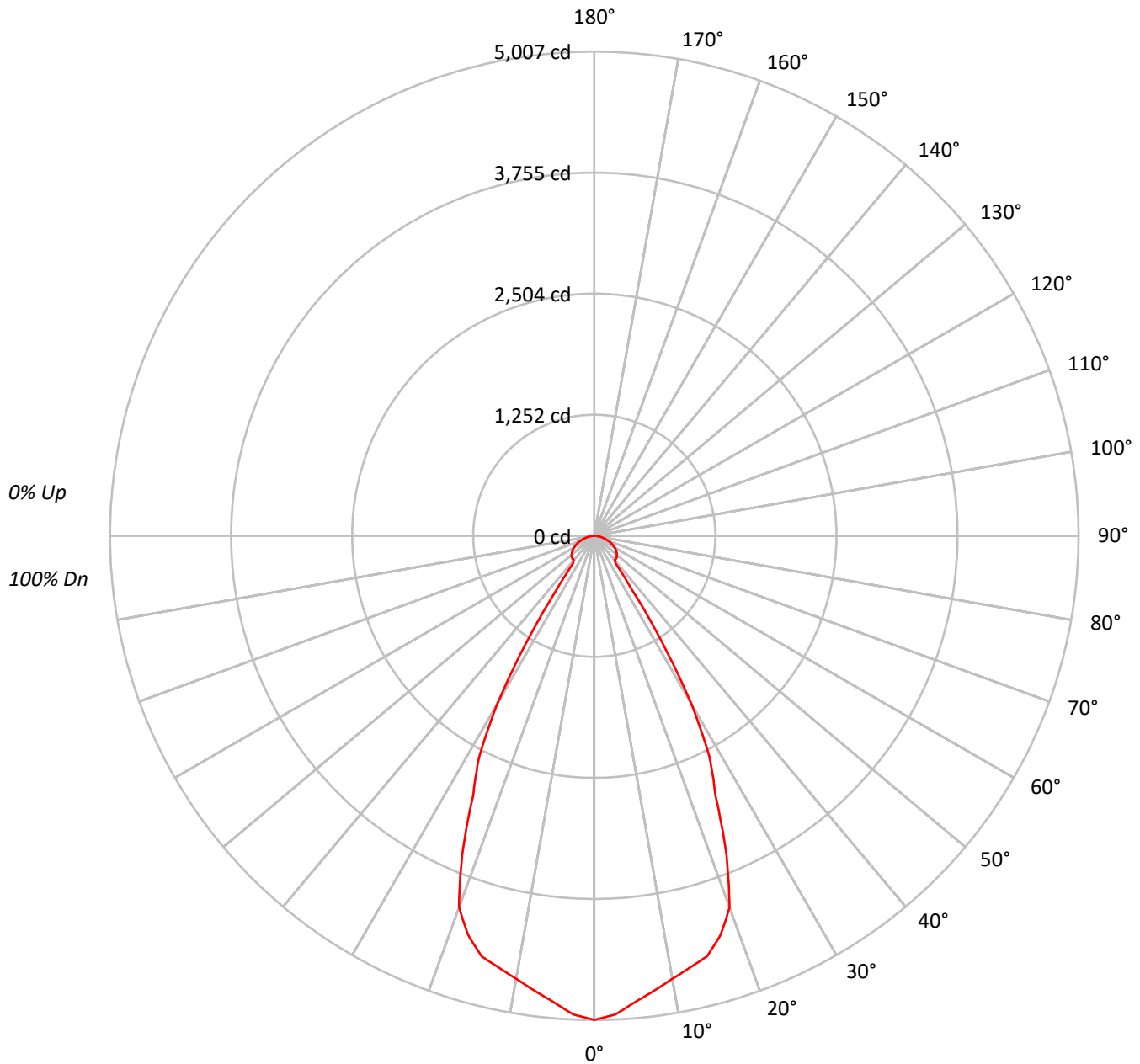


Downlight

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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					0
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°	547090
5°	530831
10°	516044
15°	509267
20°	475556
25°	357255
30°	252554
35°	89460
40°	47039
45°	50095
50°	51878
55°	52861
60°	53188
65°	52069
70°	49132
75°	45508
80°	40395
85°	32845

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 53197 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	456.5	10.3
10°-20°	1252.2	28.1
20°-30°	1379.1	31.0
30°-40°	526.9	11.8
40°-50°	248.8	5.6
50°-60°	247.3	5.6
60°-70°	198.1	4.4
70°-80°	113.8	2.6
80°-90°	31.0	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°	3087.8	69.3
0°-40°	3614.7	81.2
0°-60°	4110.9	92.3
0°-90°	4453.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4453.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5007	
5°	4840	457
15°	4502	1252
25°	2963	1379
35°	671	527
45°	324	249
55°	278	247
65°	201	198
75°	108	114
85°	26	31
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5007.2
2.5°	4954.9
5°	4839.9
7.5°	4744.0
10°	4651.3
12.5°	4572.8
15°	4502.2
17.5°	4331.8
20°	4090.0
22.5°	3568.3
25°	2963.4
27.5°	2579.7
30°	2001.8
32.5°	1293.0
35°	670.7
37.5°	362.3
40°	329.8
42.5°	327.4
45°	324.2
47.5°	317.1
50°	305.2
52.5°	291.7
55°	277.5
57.5°	261.6
60°	243.4
62.5°	222.8
65°	201.4
67.5°	177.6
70°	153.8
72.5°	130.0
75°	107.8
77.5°	84.8
80°	64.2
82.5°	45.2
85°	26.2
87.5°	10.3
90°	0.0



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— 0°-180°







(END OF REPORT)