

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: P752728

Luminaire Tested: LD4D70BD010-EU4DR6070959040-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752728
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D70BD010-EU4DR6070959040-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5666.0 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 66.6
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

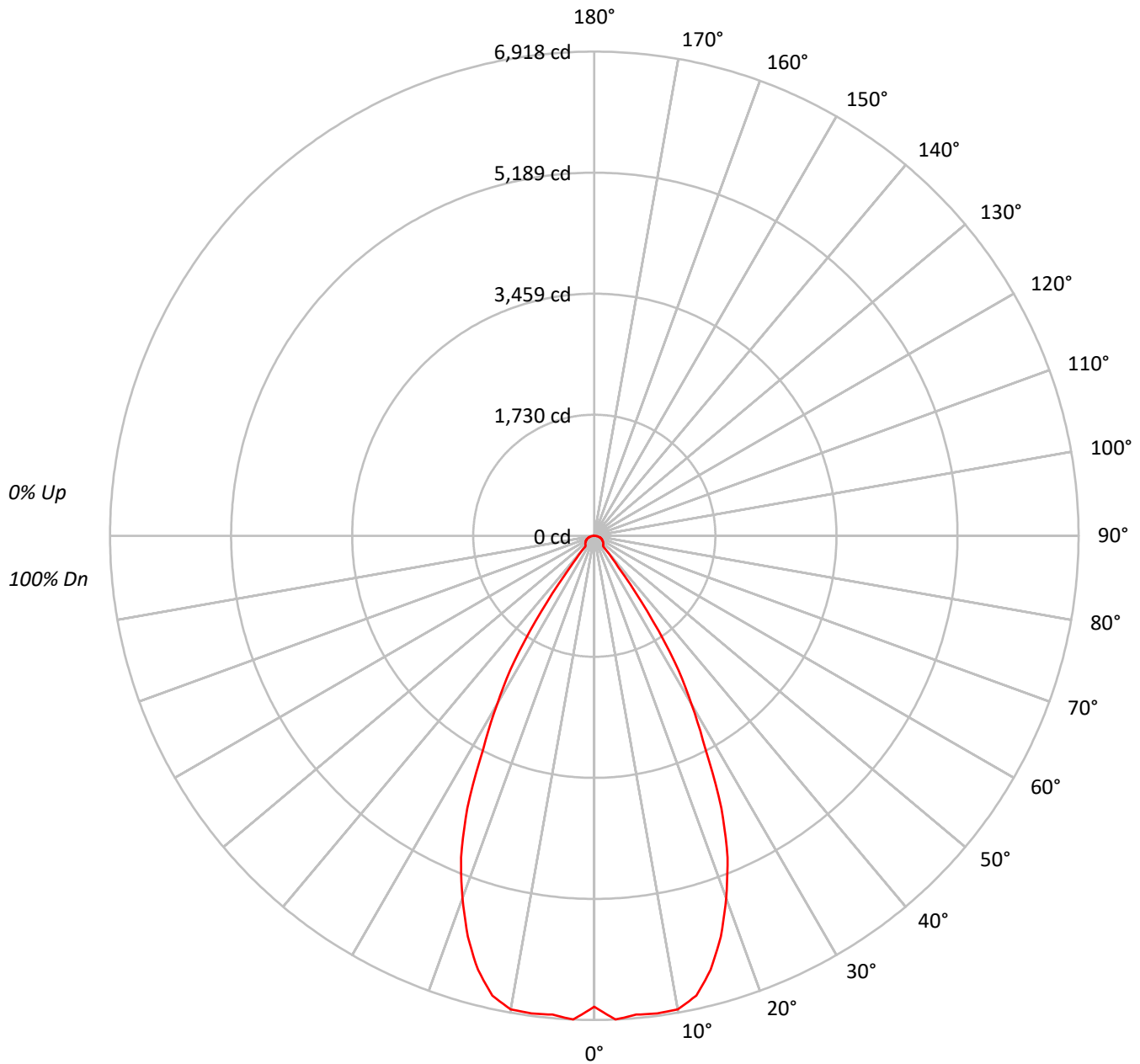


Downlight

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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87
4	97	89	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	78	73	69	77	72	68		75	71	68		74
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	735227
5°	753313
10°	762412
15°	726300
20°	640373
25°	517944
30°	350356
35°	175558
40°	28483
45°	27875
50°	28438
55°	28859
60°	29653
65°	30326
70°	31051
75°	31408
80°	30328
85°	25198

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 31408 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	656.4	11.6
10°-20°	1776.1	31.3
20°-30°	1910.9	33.7
30°-40°	830.6	14.7
40°-50°	139.5	2.5
50°-60°	135.6	2.4
60°-70°	116.0	2.0
70°-80°	77.6	1.4
80°-90°	23.2	0.4
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°	4343.4	76.7
0°-40°	5174.0	91.3
0°-60°	5449.2	96.2
0°-90°	5666.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5666.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6729	
5°	6868	656
15°	6421	1776
25°	4296	1911
35°	1316	831
45°	180	140
55°	152	136
65°	117	116
75°	74	78
85°	20	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6729.1
2.5°	6918.3
5°	6868.4
7.5°	6884.1
10°	6871.9
12.5°	6730.0
15°	6420.9
17.5°	6005.8
20°	5507.5
22.5°	4974.2
25°	4296.3
27.5°	3436.4
30°	2777.0
32.5°	2140.3
35°	1316.2
37.5°	563.1
40°	199.7
42.5°	183.9
45°	180.4
47.5°	174.3
50°	167.3
52.5°	159.4
55°	151.5
57.5°	143.6
60°	135.7
62.5°	127.0
65°	117.3
67.5°	107.7
70°	97.2
72.5°	85.8
75°	74.4
77.5°	61.3
80°	48.2
82.5°	34.2
85°	20.1
87.5°	7.0
90°	0.0



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— 0°-180°







(END OF REPORT)