

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: P751237

Luminaire Tested: LD4D60D010-EU4DR6555659035-4LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P751237
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: LD4D60D010-EU4DR6555659035-4LBS1B
Description: 4 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5206.9 lumens
Efficiency: N/A
Efficacy: 80.9 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): 64.4
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

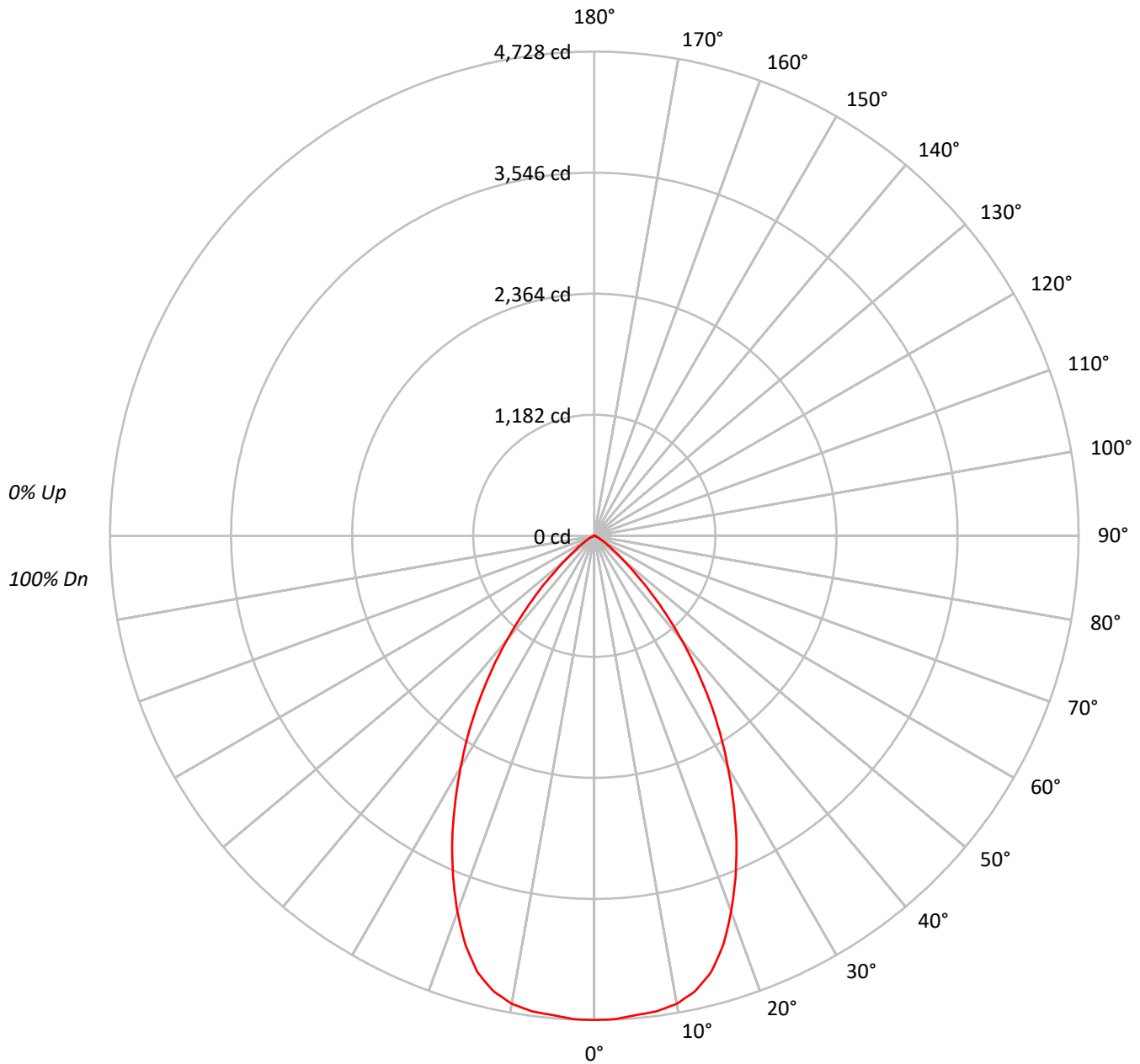


Downlight

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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°	276116
5°	275418
10°	275186
15°	266701
20°	242797
25°	211581
30°	175975
35°	139437
40°	100638
45°	63582
50°	33137
55°	17616
60°	9251
65°	5086
70°	2135
75°	2347
80°	1648
85°	1407

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 63582 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	447.1	8.6
10°-20°	1224.3	23.5
20°-30°	1496.5	28.7
30°-40°	1214.2	23.3
40°-50°	605.1	11.6
50°-60°	168.8	3.2
60°-70°	38.4	0.7
70°-80°	10.0	0.2
80°-90°	2.6	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°	3167.9	60.8
0°-40°	4382.1	84.2
0°-60°	5156.0	99.0
0°-90°	5206.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5206.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4728	
5°	4698	447
15°	4411	1224
25°	3283	1497
35°	1956	1214
45°	770	605
55°	173	169
65°	37	38
75°	10	10
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4727.7
2.5°	4724.2
5°	4697.8
7.5°	4682.5
10°	4640.2
12.5°	4554.0
15°	4410.9
17.5°	4187.2
20°	3906.5
22.5°	3603.6
25°	3283.3
27.5°	2940.8
30°	2609.4
32.5°	2282.2
35°	1955.7
37.5°	1629.9
40°	1320.0
42.5°	1029.6
45°	769.8
47.5°	536.3
50°	364.7
52.5°	251.5
55°	173.0
57.5°	116.7
60°	79.2
62.5°	54.9
65°	36.8
67.5°	18.8
70°	12.5
72.5°	11.8
75°	10.4
77.5°	6.9
80°	4.9
82.5°	3.5
85°	2.1
87.5°	1.4
90°	0.0



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— 0°-180°







(END OF REPORT)