

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P843354

Luminaire Tested: **LD4C15DE010B2750 EU4C15B27 4LBCSMW**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P843354
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206301)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C15DE010B2750 EU4C15B27 4LBSCMW
Description: 4in Downlight with BioUp LEDs
Light Source: -
Ballast/Driver:

Summary

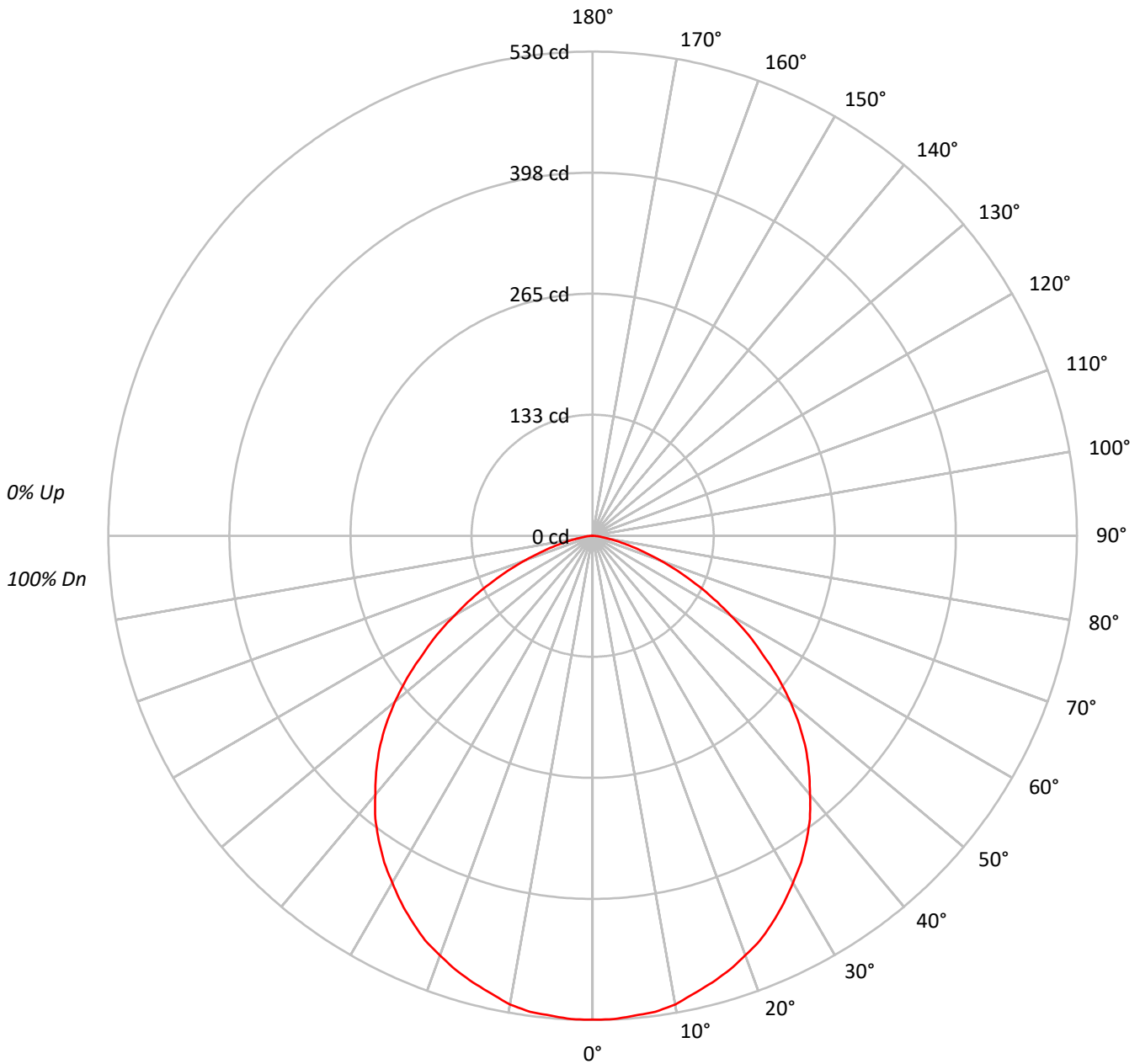
Lumens per Lamp: N/A
Luminaire Lumens: 1296.7 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 17
Input Voltage (V):
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: 25 FT

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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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87			87
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74			74
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63			63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55			55
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48			48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42			42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37			37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33			33
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30			30
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27			27

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	65063
5°	65016
10°	64994
15°	64369
20°	63905
25°	63263
30°	62205
35°	61160
40°	59354
45°	57352
50°	53936
55°	48792
60°	42876
65°	36104
70°	28197
75°	19794
80°	11178
85°	7612



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.2	3.9
10°-20°	142.9	11.0
20°-30°	214.9	16.6
30°-40°	254.7	19.6
40°-50°	253.5	19.5
50°-60°	204.3	15.8
60°-70°	123.6	9.5
70°-80°	45.9	3.5
80°-90°	6.8	0.5
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°	407.9	31.5
0°-40°	662.6	51.1
0°-60°	1120.4	86.4
0°-90°	1296.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1296.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	530	
5°	527	50
15°	506	143
25°	467	215
35°	408	255
45°	330	253
55°	228	204
65°	124	124
75°	42	46
85°	5	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	529.6
2.5°	529.6
5°	527.2
7.5°	525.6
10°	521.0
12.5°	513.1
15°	506.1
17.5°	498.3
20°	488.8
22.5°	479.3
25°	466.7
27.5°	453.3
30°	438.5
32.5°	424.3
35°	407.8
37.5°	390.6
40°	370.1
42.5°	350.5
45°	330.1
47.5°	307.1
50°	282.2
52.5°	256.2
55°	227.8
57.5°	202.7
60°	174.5
62.5°	149.3
65°	124.2
67.5°	100.6
70°	78.5
72.5°	58.9
75°	41.7
77.5°	26.8
80°	15.8
82.5°	9.4
85°	5.4
87.5°	2.3
90°	0.0



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— 0°-180°







(END OF REPORT)