Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P843527

Luminaire Tested: **LD4C25DE010B35 EU4C25B35 4LBMLI**

Issue Date: 2/17/2023

Test Information

Test Method:	LM-79-08
Report Number:	P843527
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208178)
Test Lab:	INNOVATION CENTER
Issue Date:	2/17/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	PORTFOLIO
Catalog Number:	LD4C25DE010B35 EU4C25B35 4LBMLI
Description:	4in Downlight with BioUp LEDs
Light Source:	-
Ballast/Driver:	

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2362.7 lumens
Efficiency:	N/A
Efficacy:	79.3 lumens/watt
Spacing Criteria (0/90/45):	0.7 / 0.7 / 0.76
Luminous Opening:	Circular (Dia: 0.33' x H: 0')
CIE Type:	Direct

Input Watts (W):	29.8
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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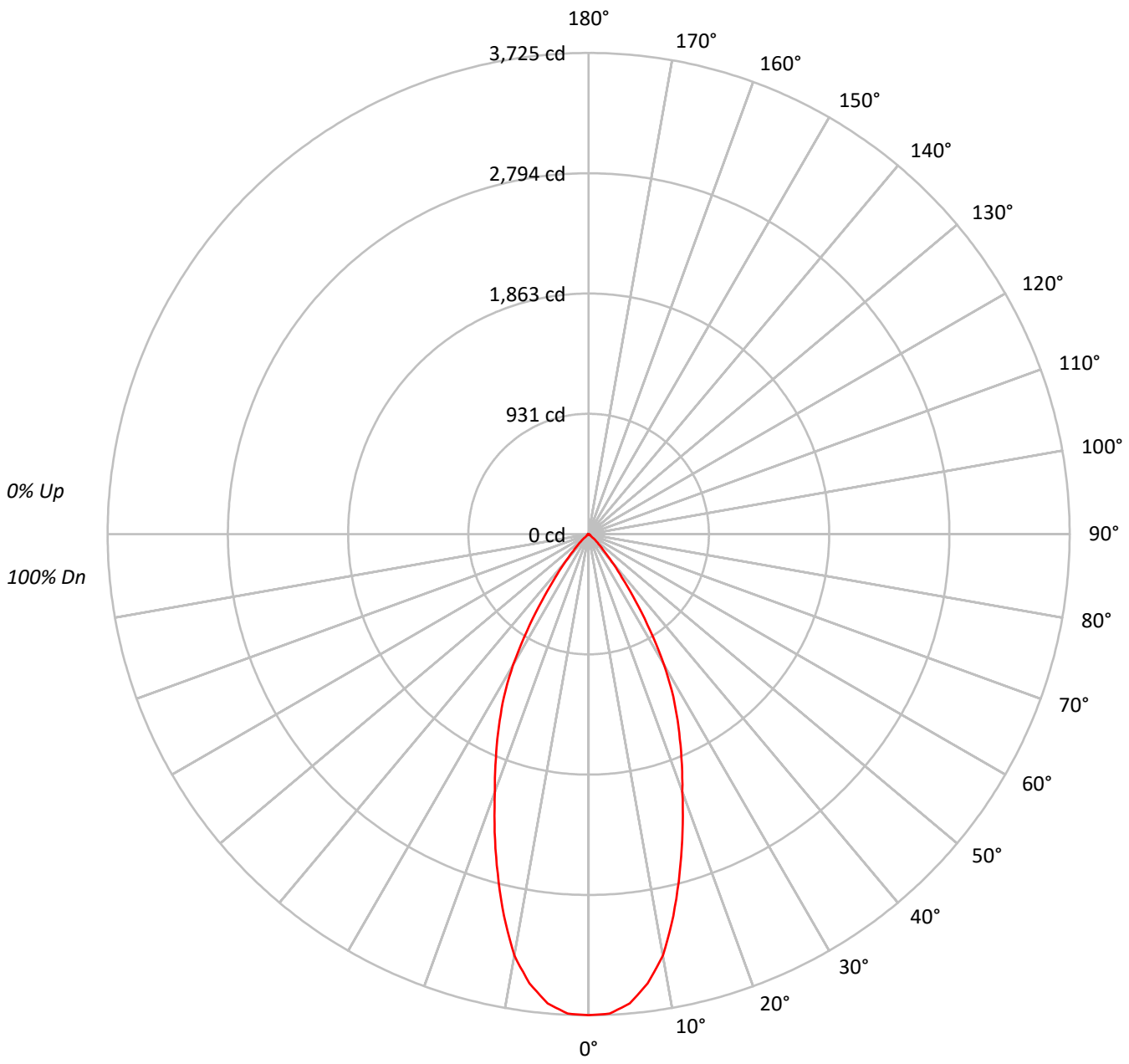
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	80	75	71	78	74	71	77	73	71	69
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65
8	82	73	68	64	81	73	67	64	72	67	64	71	66	63	70	66	63	62
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	67	63	60	58
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	457605
5°	449820
10°	413305
15°	346127
20°	277308
25°	222810
30°	165862
35°	94755
40°	44472
45°	18886
50°	6001
55°	3063
60°	2113
65°	1657
70°	1042
75°	0
80°	0
85°	0

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Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.2	14.3
10°-20°	754.0	31.9
20°-30°	749.6	31.7
30°-40°	408.2	17.3
40°-50°	94.3	4.0
50°-60°	13.3	0.6
60°-70°	4.9	0.2
70°-80°	1.1	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°	1840.8	77.9
0°-40°	2249.0	95.2
0°-60°	2356.7	99.7
0°-90°	2362.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2362.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3725	
5°	3648	337
15°	2721	754
25°	1644	750
35°	632	408
45°	109	94
55°	14	13
65°	6	5
75°	0	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	3724.8
2.5°	3716.1
5°	3647.5
7.5°	3507.5
10°	3313.1
12.5°	3027.3
15°	2721.4
17.5°	2418.4
20°	2121.1
22.5°	1878.1
25°	1643.7
27.5°	1420.7
30°	1169.2
32.5°	889.0
35°	631.8
37.5°	425.9
40°	277.3
42.5°	174.3
45°	108.7
47.5°	62.9
50°	31.4
52.5°	17.1
55°	14.3
57.5°	8.6
60°	8.6
62.5°	5.7
65°	5.7
67.5°	2.9
70°	2.9
72.5°	2.9
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Report Generated By 670246072 / DESKTOP-50001EG

0°-180°

(END OF REPORT)