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: P843528

Luminaire Tested: **LD4C25DE010B35 EU4C25B35 4LBNH**

Issue Date: 2/17/2023

Test Information

Test Method:	LM-79-08
Report Number:	P843528
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207666)
Test Lab:	INNOVATION CENTER
Issue Date:	2/17/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	PORTFOLIO
Catalog Number:	LD4C25DE010B35 EU4C25B35 4LBNH
Description:	4in Downlight with BioUp LEDs
Light Source:	-
Ballast/Driver:	

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1573.8 lumens
Efficiency:	N/A
Efficacy:	52.8 lumens/watt
Spacing Criteria (0/90/45):	0.81 / 0.81 / 0.85
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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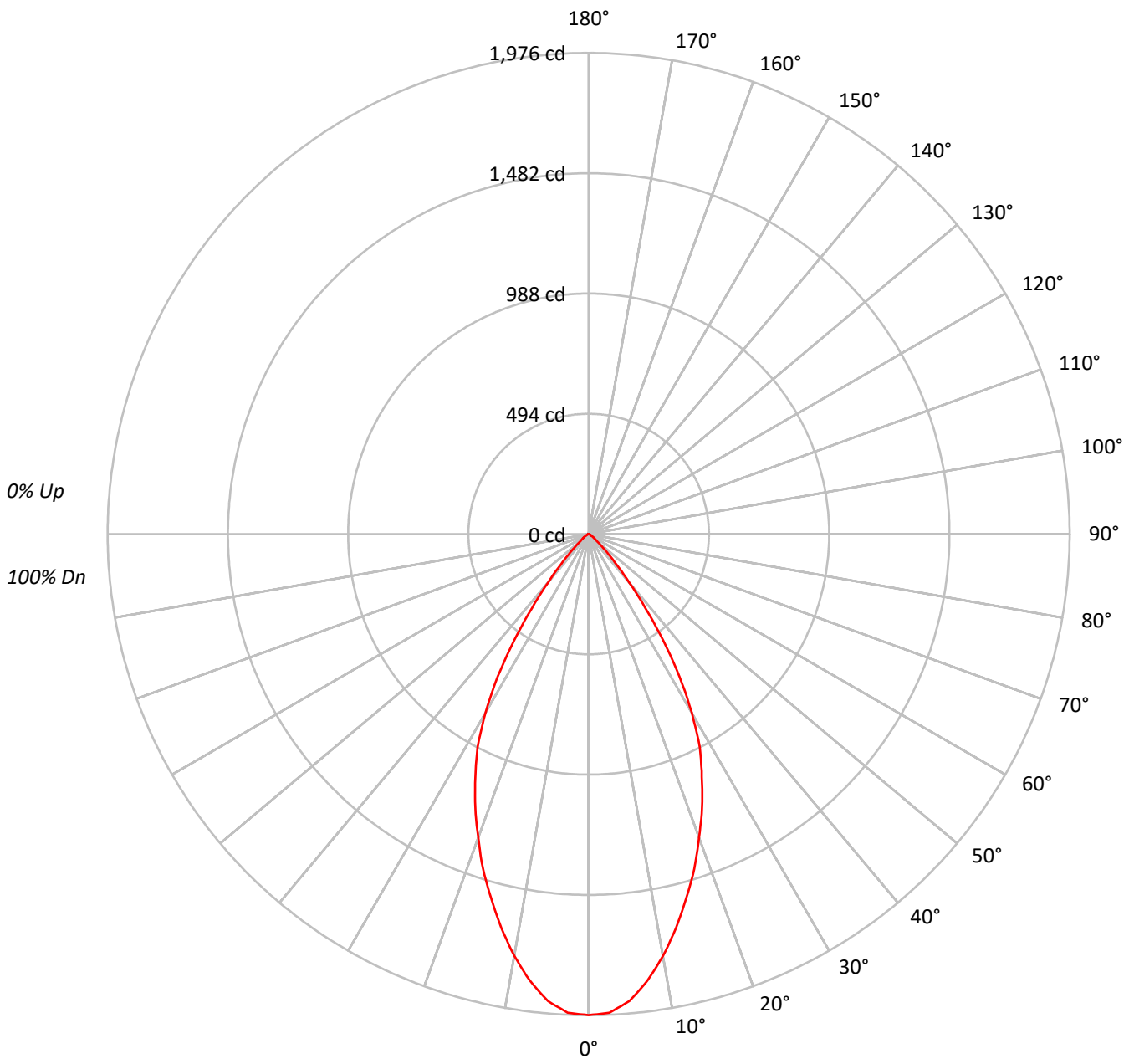
Luminous Intensity Polar Plot



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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	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58
9	76	66	60	56	74	65	60	56	65	59	56	64	59	56	63	59	55	54
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	242746
5°	237347
10°	219458
15°	196924
20°	173332
25°	149177
30°	120126
35°	79982
40°	41601
45°	18834
50°	8161
55°	5483
60°	3514
65°	2500
70°	2047
75°	1377
80°	0
85°	0

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Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.3	11.3
10°-20°	432.4	27.5
20°-30°	502.1	31.9
30°-40°	332.5	21.1
40°-50°	93.3	5.9
50°-60°	23.4	1.5
60°-70°	8.8	0.6
70°-80°	3.0	0.2
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°	1112.8	70.7
0°-40°	1445.3	91.8
0°-60°	1562.0	99.2
0°-90°	1573.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1573.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1976	
5°	1925	178
15°	1548	432
25°	1100	502
35°	533	332
45°	108	93
55°	26	23
65°	9	9
75°	3	3
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	*1975.9*
2.5°	*1967.3*
5°	*1924.6*
7.5°	*1850.3*
10°	*1759.2*
12.5°	*1656.5*
15°	*1548.3*
17.5°	*1442.7*
20°	*1325.8*
22.5°	*1217.4*
25°	*1100.5*
27.5°	*989.4*
30°	*846.8*
32.5°	*695.7*
35°	*533.3*
37.5°	*382.1*
40°	*259.4*
42.5°	*168.2*
45°	*108.4*
47.5°	*65.7*
50°	*42.7*
52.5°	*31.3*
55°	*25.6*
57.5°	*20.0*
60°	*14.3*
62.5°	*11.4*
65°	*8.6*
67.5°	*5.7*
70°	*5.7*
72.5°	*2.9*
75°	*2.9*
77.5°	*2.9*
80°	*0.0*
82.5°	*0.0*
85°	*0.0*
87.5°	*0.0*
90°	*0.0*

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0°-180°

(END OF REPORT)