

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: P843532

Luminaire Tested: **LD4C25DE010B35 EU4C25B35 4LBWH**

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-08
Report Number: P843532
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C25DE010B35 EU4C25B35 4LBWH
Description: 4in Downlight with BioUp LEDs
Light Source: -
Ballast/Driver:

Summary

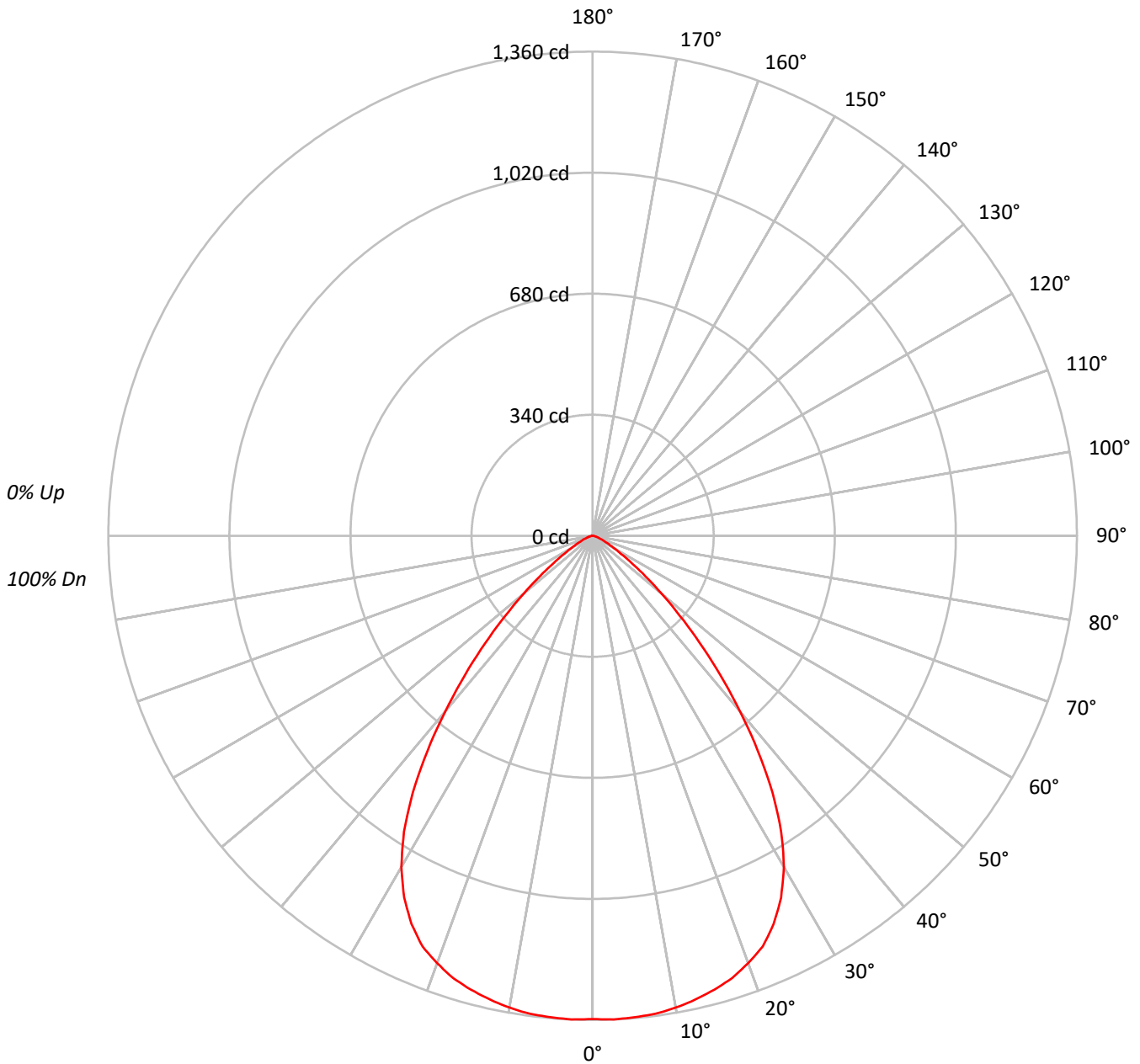
Lumens per Lamp: N/A
Luminaire Lumens: 2105.7 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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				
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			
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82			
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74			
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67			
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61			
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55			
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50			
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46			
9	68	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43			
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	166749
5°	167386
10°	167887
15°	167900
20°	166978
25°	163071
30°	152399
35°	131994
40°	103104
45°	73979
50°	48049
55°	28766
60°	16831
65°	10814
70°	7184
75°	5411
80°	4033
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.3	6.1
10°-20°	372.4	17.7
20°-30°	549.6	26.1
30°-40°	542.3	25.8
40°-50°	331.9	15.8
50°-60°	127.2	6.0
60°-70°	39.8	1.9
70°-80°	11.6	0.6
80°-90°	1.6	0.1
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°	1051.3	49.9
0°-40°	1593.6	75.7
0°-60°	2052.7	97.5
0°-90°	2105.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2105.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1357	
5°	1357	129
15°	1320	372
25°	1203	550
35°	880	542
45°	426	332
55°	134	127
65°	37	40
75°	11	12
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1357.3
2.5°	1360.1
5°	1357.3
7.5°	1354.4
10°	1345.8
12.5°	1334.4
15°	1320.1
17.5°	1302.9
20°	1277.2
22.5°	1248.7
25°	1203.0
27.5°	1145.7
30°	1074.3
32.5°	985.8
35°	880.1
37.5°	762.9
40°	642.9
42.5°	531.5
45°	425.8
47.5°	331.4
50°	251.4
52.5°	185.8
55°	134.3
57.5°	94.2
60°	68.5
62.5°	51.5
65°	37.2
67.5°	28.6
70°	20.0
72.5°	14.3
75°	11.4
77.5°	5.7
80°	5.7
82.5°	2.9
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)