

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: P843514

Luminaire Tested: **LD4C25DE010B2750 EU4C25B30 4LBNH**

Issue Date: 2/17/2023



Test Information

Test Method: LM-79-08
Report Number: P843514
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: LD4C25DE010B2750 EU4C25B30 4LBNH
Description: 4in Downlight with BioUp LEDs
Light Source: -
Ballast/Driver:

Summary

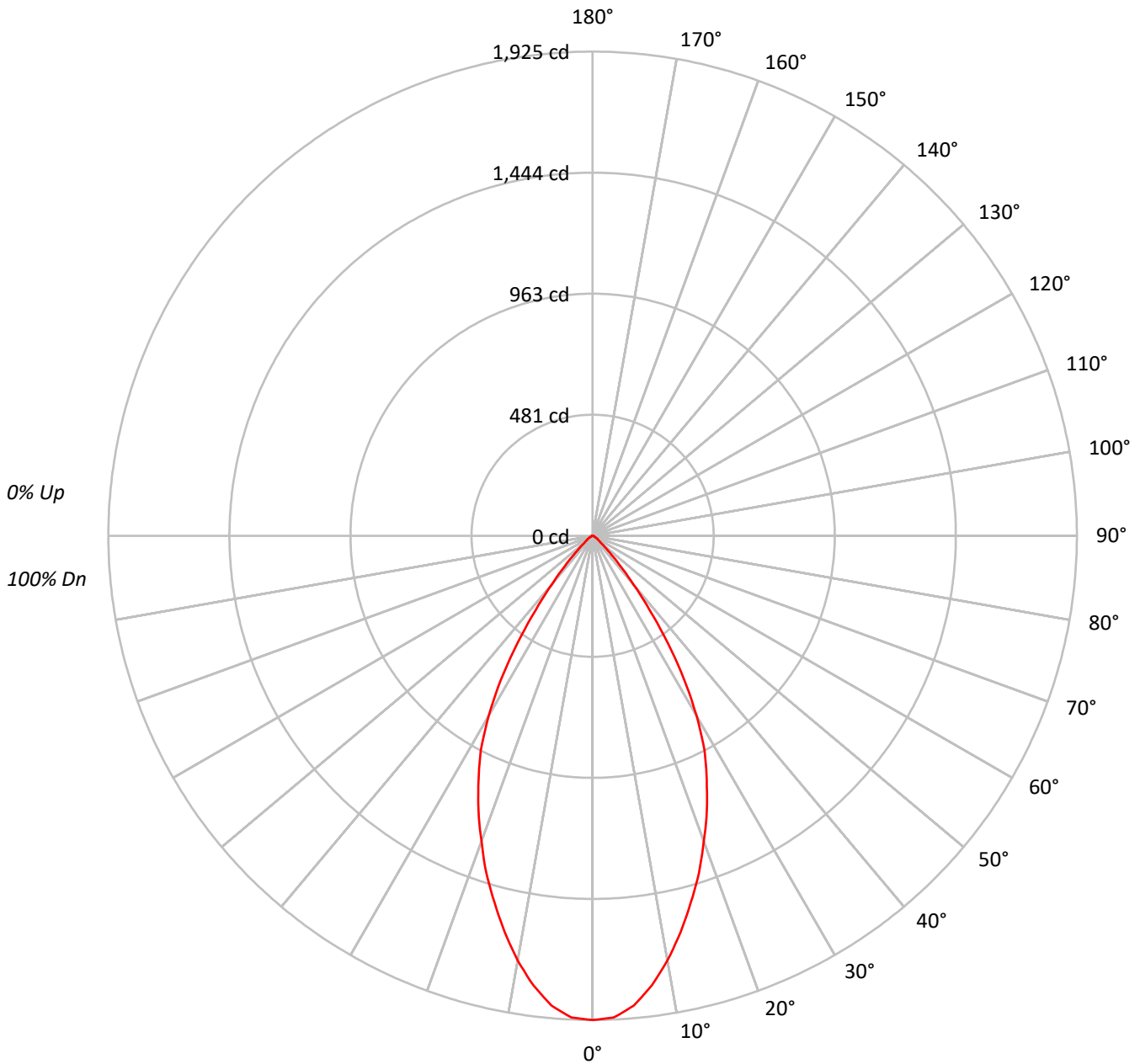
Lumens per Lamp: N/A
Luminaire Lumens: 1533.6 lumens
Efficiency: N/A
Efficacy: 51.5 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.85
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P843514

CATALOG NUMBER: LD4C25DE010B2750 EU4C25B30 4LBNH

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	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°	236542
5°	231279
10°	213844
15°	191887
20°	168913
25°	145368
30°	117062
35°	77928
40°	40543
45°	18364
50°	7970
55°	5355
60°	3440
65°	2442
70°	2012
75°	1282
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.7	11.3
10°-20°	421.4	27.5
20°-30°	489.2	31.9
30°-40°	324.0	21.1
40°-50°	90.9	5.9
50°-60°	22.9	1.5
60°-70°	8.6	0.6
70°-80°	2.9	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°	1084.3	70.7
0°-40°	1408.3	91.8
0°-60°	1522.1	99.3
0°-90°	1533.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1533.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1925	
5°	1875	174
15°	1509	421
25°	1072	489
35°	520	324
45°	106	91
55°	25	23
65°	8	9
75°	3	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1925.4
2.5°	1917.1
5°	1875.4
7.5°	1803.2
10°	1714.2
12.5°	1614.2
15°	1508.7
17.5°	1405.8
20°	1292.0
22.5°	1186.3
25°	1072.4
27.5°	964.1
30°	825.2
32.5°	677.9
35°	519.6
37.5°	372.3
40°	252.8
42.5°	163.8
45°	105.7
47.5°	64.0
50°	41.7
52.5°	30.6
55°	25.0
57.5°	19.5
60°	14.0
62.5°	11.1
65°	8.4
67.5°	5.6
70°	5.6
72.5°	2.7
75°	2.7
77.5°	2.7
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)