

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: P844242

Luminaire Tested: **LD6C25DE010B40 EU6C25B40 6LBMLI**

Issue Date: 2/17/2023



Test Information

Test Method: LM-79-08
Report Number: P844242
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205108)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C25DE010B40 EU6C25B40 6LBMLI
Description:
Light Source: -
Ballast/Driver:

Summary

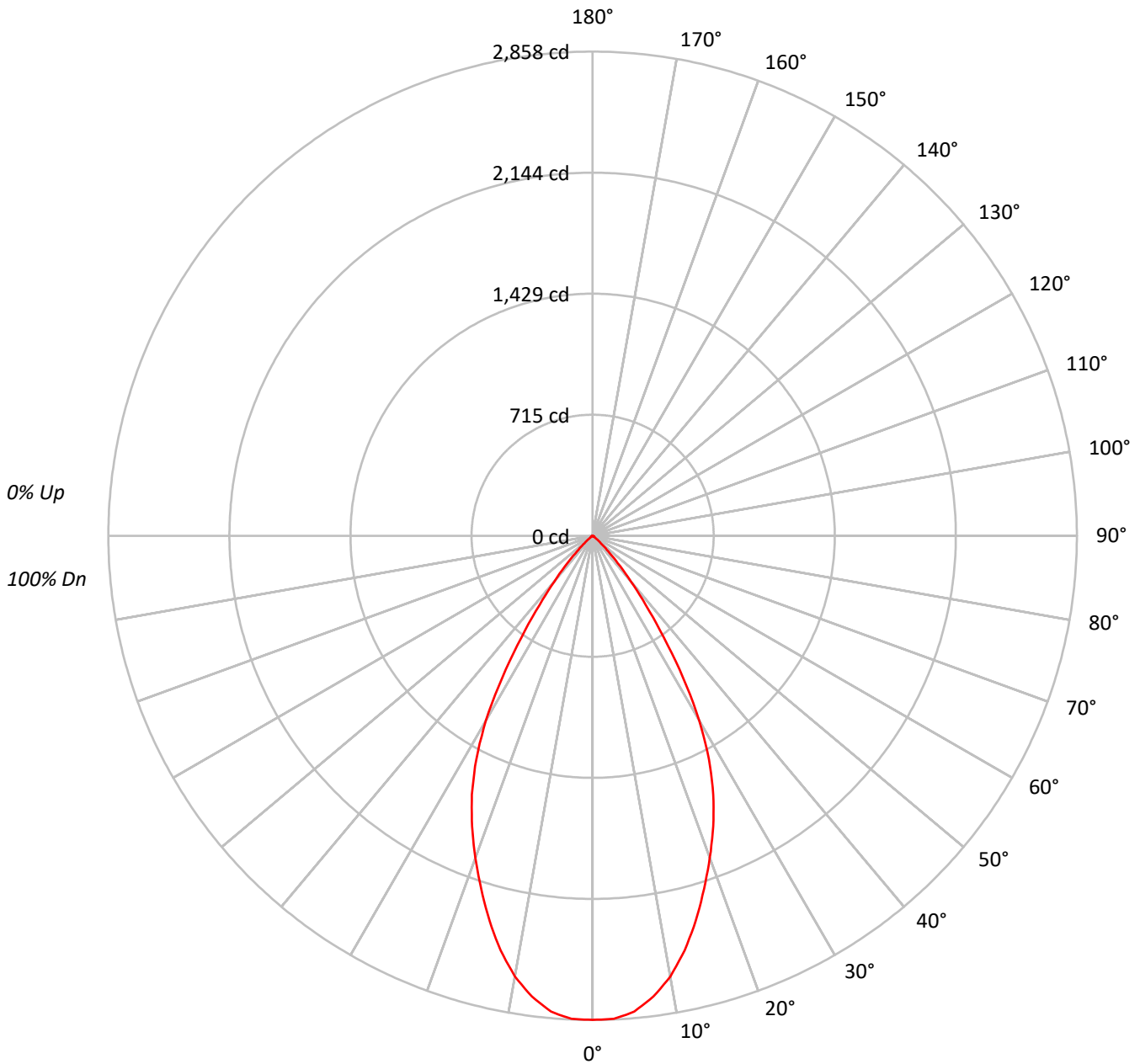
Lumens per Lamp: N/A
Luminaire Lumens: 2283.5 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94				94
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88				88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82				82
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76				76
5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71				71
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67				67
7	84	75	69	65	83	75	69	65	73	68	65	72	68	64	71	67	64	63				63
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59				59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55				55
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52				52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	156654
5°	155167
10°	147030
15°	133491
20°	117960
25°	101982
30°	79715
35°	48887
40°	25090
45°	9970
50°	3241
55°	1109
60°	965
65°	765
70°	481
75°	635
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.2	11.5
10°-20°	655.4	28.7
20°-30°	761.9	33.4
30°-40°	466.5	20.4
40°-50°	115.9	5.1
50°-60°	13.6	0.6
60°-70°	5.1	0.2
70°-80°	2.0	0.1
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°	1680.5	73.6
0°-40°	2147.0	94.0
0°-60°	2276.5	99.7
0°-90°	2283.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2283.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2858	
5°	2820	263
15°	2352	655
25°	1686	762
35°	730	467
45°	129	116
55°	12	14
65°	6	5
75°	3	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2857.6
2.5°	2854.7
5°	2819.7
7.5°	2743.6
10°	2641.3
12.5°	2507.0
15°	2352.1
17.5°	2185.6
20°	2022.0
22.5°	1858.3
25°	1686.0
27.5°	1487.2
30°	1259.3
32.5°	993.4
35°	730.5
37.5°	514.2
40°	350.6
42.5°	219.1
45°	128.6
47.5°	73.1
50°	38.0
52.5°	17.6
55°	11.6
57.5°	8.8
60°	8.8
62.5°	5.9
65°	5.9
67.5°	3.0
70°	3.0
72.5°	3.0
75°	3.0
77.5°	0.0
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)