

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: P844001

Luminaire Tested: **LD6C10DE010B50 EU6C10B50 6LBMB**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844001
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203577)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C10DE010B50 EU6C10B50 6LBMB
Description:
Light Source: -
Ballast/Driver:

Summary

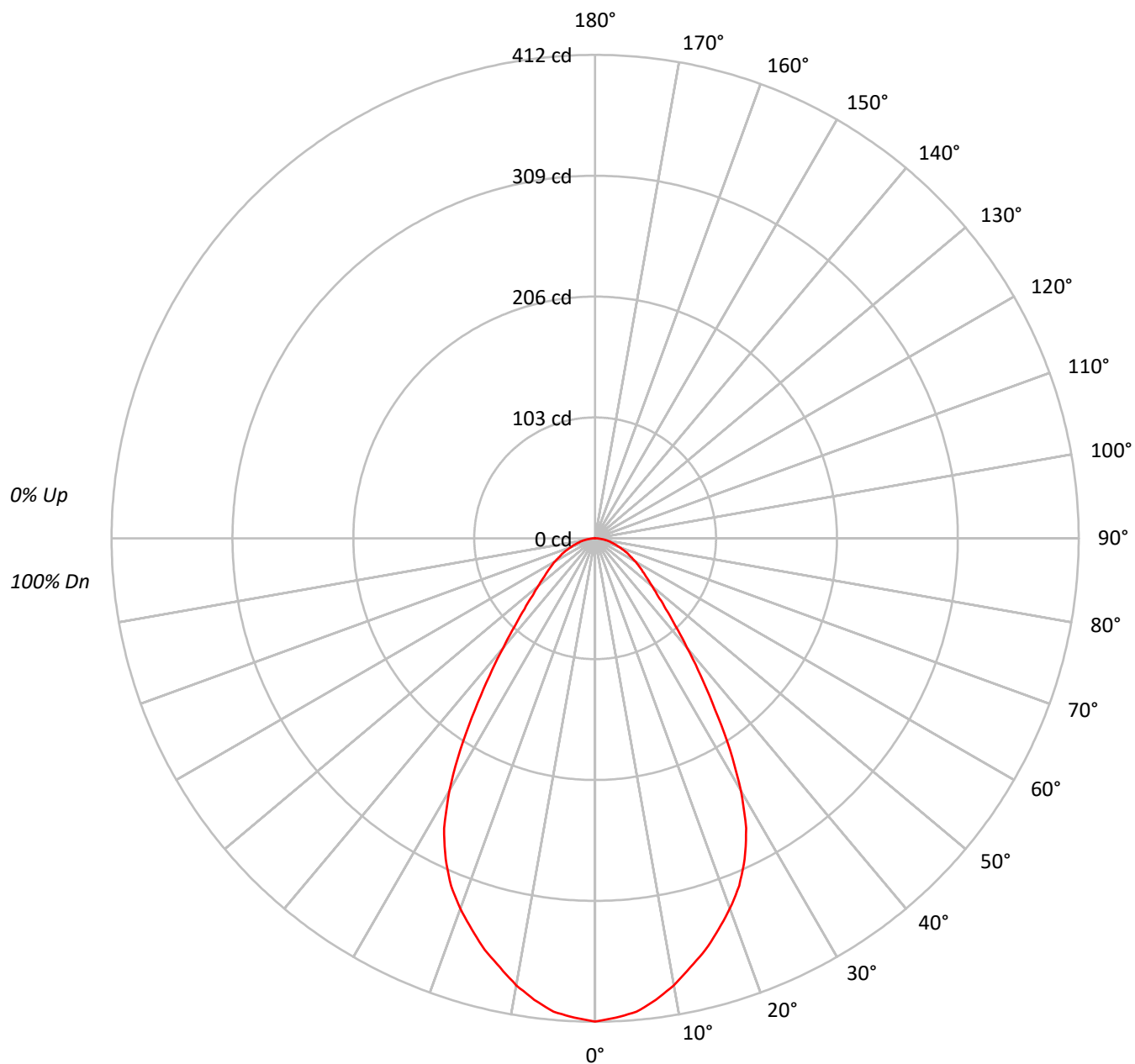
Lumens per Lamp: N/A
Luminaire Lumens: 552.1 lumens
Efficiency: N/A
Efficacy: 41.5 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 13.3
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: P844001

CATALOG NUMBER: LD6C10DE010B50 EU6C10B50 6LBMB

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
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	108	104	101		109	105	103	100		101	99	97		98	96	94		94	92	91
2	104	97	92	88		101	96	91	87		92	88	85		89	86	83		86	83	81
3	97	88	82	77		95	87	81	76		84	79	75		82	77	74		79	76	73
4	90	81	74	68		88	80	73	68		77	72	67		75	70	66		73	69	65
5	85	74	67	61		83	73	66	61		71	65	61		69	64	60		68	63	59
6	79	68	61	56		78	68	61	56		66	60	55		64	59	55		63	58	54
7	75	63	56	51		73	63	56	51		61	55	50		60	54	50		59	54	50
8	70	59	52	47		69	58	51	47		57	51	46		56	50	46		55	50	46
9	66	55	48	43		65	54	48	43		53	47	43		52	47	43		51	46	43
10	63	51	45	40		62	51	44	40		50	44	40		49	44	40		48	43	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	22580
5°	22292
10°	21532
15°	20613
20°	19590
25°	18237
30°	15711
35°	11926
40°	8716
45°	6605
50°	5390
55°	4731
60°	4342
65°	3956
70°	3542
75°	3219
80°	2873
85°	2390



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.1	6.9
10°-20°	101.9	18.5
20°-30°	136.9	24.8
30°-40°	112.3	20.3
40°-50°	67.4	12.2
50°-60°	44.8	8.1
60°-70°	30.1	5.4
70°-80°	16.2	2.9
80°-90°	4.6	0.8
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°	276.8	50.1
0°-40°	389.1	70.5
0°-60°	501.3	90.8
0°-90°	552.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	552.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	412	
5°	405	38
15°	363	102
25°	302	137
35°	178	112
45°	85	67
55°	50	45
65°	30	30
75°	15	16
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	411.9
2.5°	408.9
5°	405.1
7.5°	396.7
10°	386.8
12.5°	374.6
15°	363.2
17.5°	349.5
20°	335.8
22.5°	320.6
25°	301.5
27.5°	278.7
30°	248.2
32.5°	214.0
35°	178.2
37.5°	147.8
40°	121.8
42.5°	101.3
45°	85.2
47.5°	72.3
50°	63.2
52.5°	55.6
55°	49.5
57.5°	44.2
60°	39.6
62.5°	34.3
65°	30.5
67.5°	25.9
70°	22.1
72.5°	18.3
75°	15.2
77.5°	12.2
80°	9.1
82.5°	6.9
85°	3.8
87.5°	1.5
90°	0.0



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— 0°-180°







(END OF REPORT)