

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: P844007

Luminaire Tested: **LD6C10DE010B50 EU6C10B50 6LBNLI**

Issue Date: 2/17/2023



Test Information

Test Method: LM-79-08
Report Number: P844007
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205310)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C10DE010B50 EU6C10B50 6LBNLI
Description:
Light Source: -
Ballast/Driver:

Summary

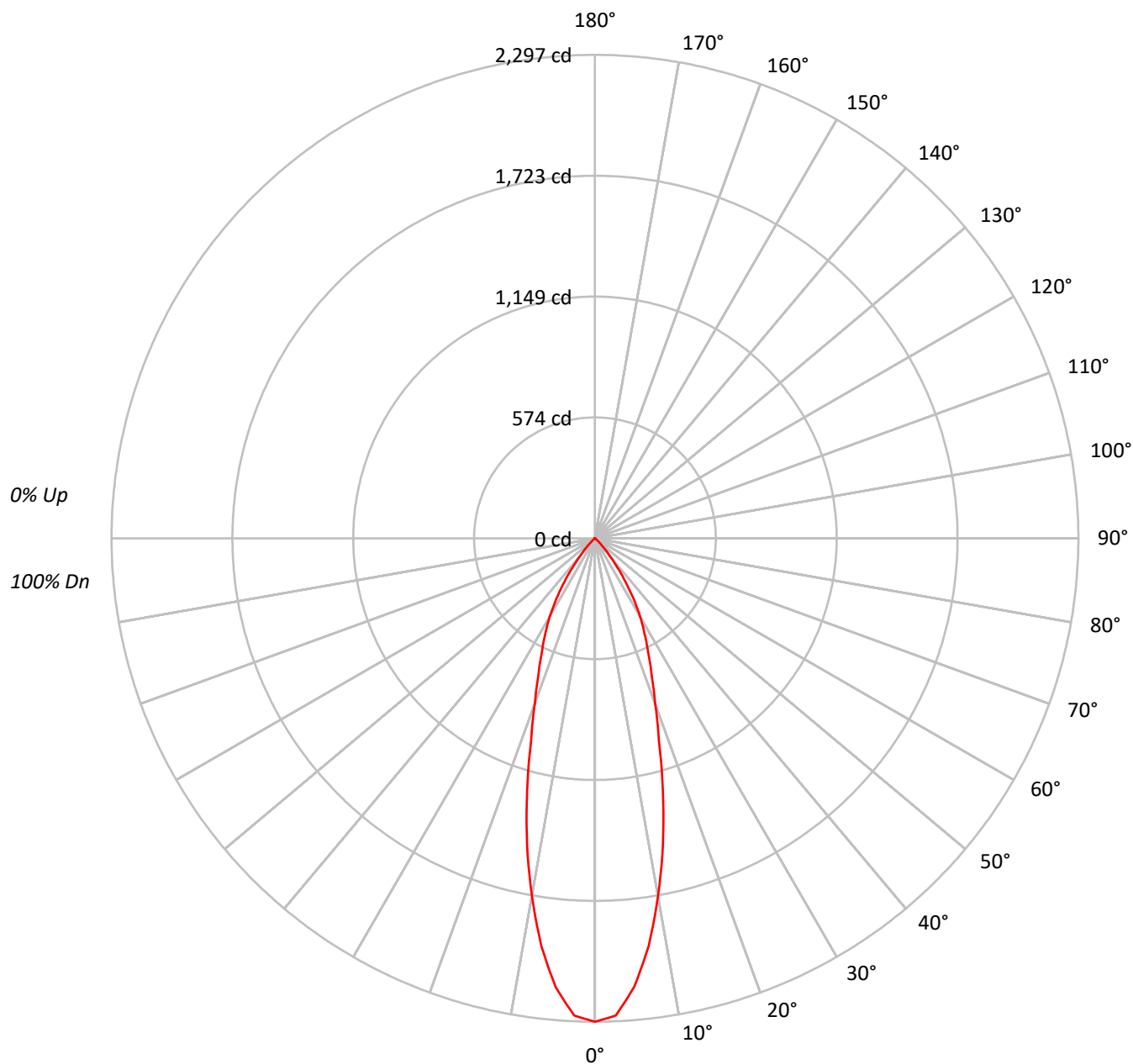
Lumens per Lamp: N/A
Luminaire Lumens: 1009.1 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.58
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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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
RW	70	50	30	10		70	50	30	10		50	30	10			50	30	10			50
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			102
1	114	112	109	107		112	109	107	106		105	104	102			102	101	99			98
2	109	105	101	98		107	103	100	97		100	97	95			97	95	93			94
3	105	99	94	91		103	97	93	90		95	91	89			93	90	87			90
4	100	93	88	85		98	92	88	84		90	86	83			88	85	82			86
5	96	88	83	79		94	87	83	79		86	82	78			84	81	78			83
6	92	84	79	75		90	83	78	75		82	77	74			80	76	74			79
7	88	80	74	71		87	79	74	71		78	73	70			77	73	70			76
8	84	76	71	67		83	75	70	67		74	70	67			73	69	66			73
9	81	73	67	64		80	72	67	64		71	67	63			70	66	63			70
10	78	69	64	61		77	69	64	61		68	64	61			67	63	60			67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	125933
5°	117769
10°	96046
15°	70681
20°	48718
25°	36171
30°	27169
35°	16938
40°	8230
45°	2822
50°	367
55°	287
60°	164
65°	195
70°	240
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.0	18.9
10°-20°	342.8	34.0
20°-30°	277.2	27.5
30°-40°	159.7	15.8
40°-50°	33.7	3.3
50°-60°	2.9	0.3
60°-70°	1.5	0.1
70°-80°	0.2	0.0
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°	811.0	80.4
0°-40°	970.7	96.2
0°-60°	1007.4	99.8
0°-90°	1009.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1009.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2297	
5°	2140	191
15°	1245	343
25°	598	277
35°	253	160
45°	36	34
55°	3	3
65°	2	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2297.2
2.5°	2269.6
5°	2140.1
7.5°	1953.9
10°	1725.4
12.5°	1491.3
15°	1245.4
17.5°	1008.2
20°	835.1
22.5°	702.7
25°	598.0
27.5°	509.3
30°	429.2
32.5°	340.5
35°	253.1
37.5°	176.0
40°	115.0
42.5°	69.8
45°	36.4
47.5°	14.5
50°	4.3
52.5°	4.3
55°	3.0
57.5°	3.0
60°	1.5
62.5°	1.5
65°	1.5
67.5°	1.5
70°	1.5
72.5°	0.0
75°	0.0
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)