

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: P843997

Luminaire Tested: **LD6C10DE010B50 EU6C10B50 6LBCSMW**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843997
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P204757)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C10DE010B50 EU6C10B50 6LBCSMW
Description:
Light Source: -
Ballast/Driver:

Summary

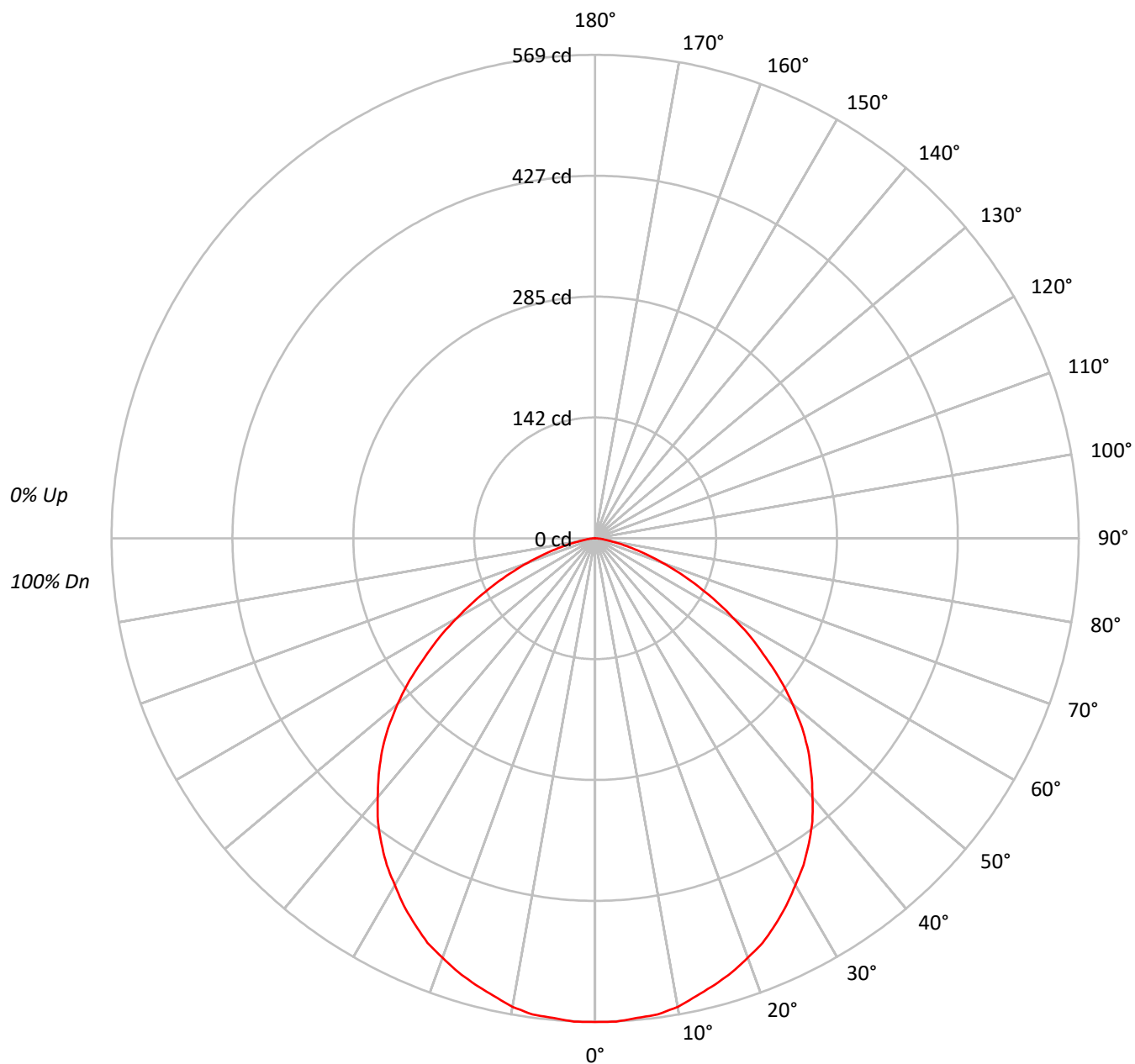
Lumens per Lamp: N/A
Luminaire Lumens: 1394.0 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63		
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55		
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42		
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37		
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33		
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30		
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	31215
5°	31191
10°	31173
15°	30874
20°	30651
25°	30347
30°	29834
35°	29346
40°	28475
45°	27507
50°	25867
55°	23426
60°	20558
65°	17317
70°	13544
75°	9489
80°	5304
85°	3648



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.9	3.9
10°-20°	153.6	11.0
20°-30°	231.0	16.6
30°-40°	273.8	19.6
40°-50°	272.5	19.5
50°-60°	219.7	15.8
60°-70°	132.9	9.5
70°-80°	49.4	3.5
80°-90°	7.3	0.5
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°	438.5	31.5
0°-40°	712.3	51.1
0°-60°	1204.5	86.4
0°-90°	1394.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1394.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	569	
5°	567	54
15°	544	154
25°	502	231
35°	438	274
45°	355	272
55°	245	220
65°	134	133
75°	45	49
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	569.4
2.5°	569.4
5°	566.8
7.5°	565.2
10°	560.0
12.5°	551.6
15°	544.0
17.5°	535.6
20°	525.4
22.5°	515.3
25°	501.7
27.5°	487.4
30°	471.3
32.5°	456.2
35°	438.5
37.5°	419.9
40°	397.9
42.5°	376.7
45°	354.8
47.5°	330.3
50°	303.3
52.5°	275.3
55°	245.1
57.5°	218.0
60°	187.5
62.5°	160.5
65°	133.5
67.5°	108.1
70°	84.5
72.5°	63.5
75°	44.8
77.5°	28.7
80°	16.8
82.5°	10.2
85°	5.8
87.5°	2.5
90°	0.0



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— 0°-180°







(END OF REPORT)