

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: P843996

Luminaire Tested: **LD6C10DE010B50 EU6C10B50 6LBCSMMS**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843996
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 6LBCSMMS
Description:
Light Source: -
Ballast/Driver:

Summary

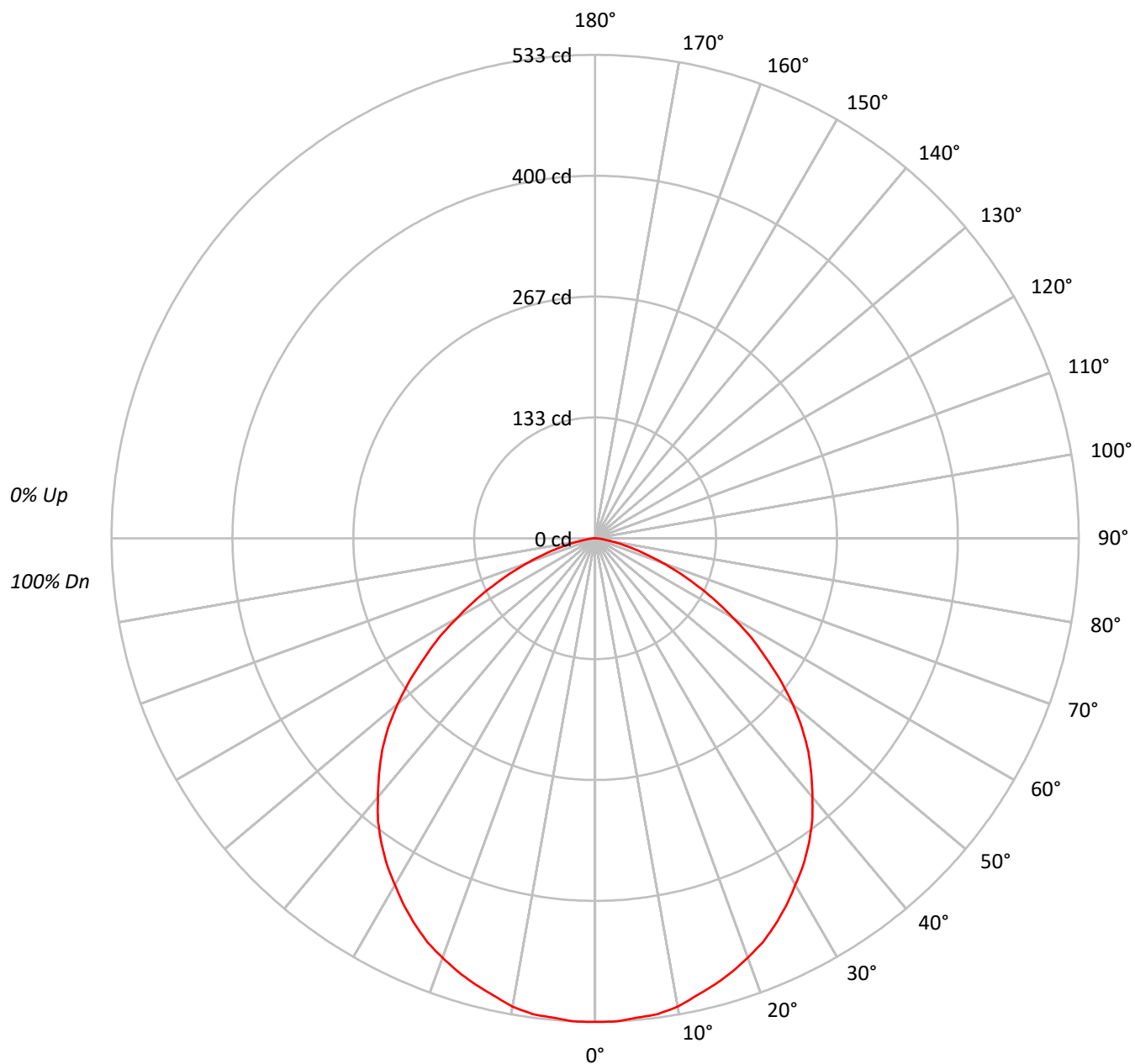
Lumens per Lamp: N/A
Luminaire Lumens: 1305.1 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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					0
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°	29230
5°	29199
10°	29191
15°	28910
20°	28702
25°	28417
30°	27928
35°	27479
40°	26657
45°	25755
50°	24221
55°	21925
60°	19253
65°	16201
70°	12678
75°	8896
80°	4988
85°	3459



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.5	3.9
10°-20°	143.8	11.0
20°-30°	216.3	16.6
30°-40°	256.4	19.6
40°-50°	255.1	19.5
50°-60°	205.6	15.8
60°-70°	124.4	9.5
70°-80°	46.2	3.5
80°-90°	6.8	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°	410.6	31.5
0°-40°	666.9	51.1
0°-60°	1127.7	86.4
0°-90°	1305.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1305.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	533	
5°	531	51
15°	509	144
25°	470	216
35°	411	256
45°	332	255
55°	229	206
65°	125	124
75°	42	46
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	533.2
2.5°	533.2
5°	530.6
7.5°	529.1
10°	524.4
12.5°	516.4
15°	509.4
17.5°	501.4
20°	492.0
22.5°	482.4
25°	469.8
27.5°	456.4
30°	441.2
32.5°	427.1
35°	410.6
37.5°	393.1
40°	372.5
42.5°	352.7
45°	332.2
47.5°	309.3
50°	284.0
52.5°	257.7
55°	229.4
57.5°	204.0
60°	175.6
62.5°	150.3
65°	124.9
67.5°	101.2
70°	79.1
72.5°	59.3
75°	42.0
77.5°	26.9
80°	15.8
82.5°	9.4
85°	5.5
87.5°	2.3
90°	0.0



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— 0°-180°







(END OF REPORT)