

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: P843912

Luminaire Tested: **LD6C08DE010B50 EU6C08B50 6LBCSMW**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843912
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: LD6C08DE010B50 EU6C08B50 6LBSCSMW
Description:
Light Source: -
Ballast/Driver:

Summary

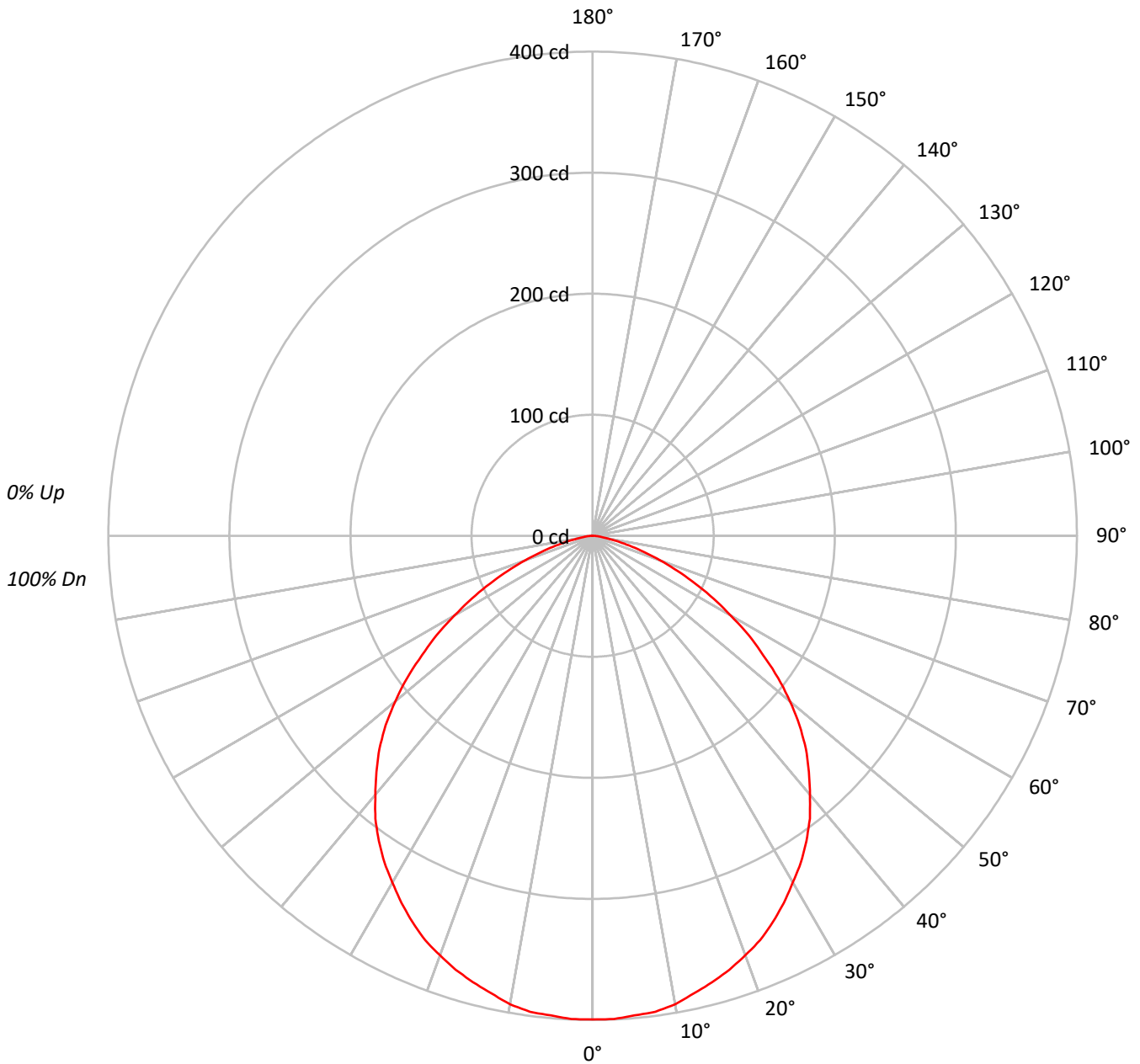
Lumens per Lamp: N/A
Luminaire Lumens: 978.3 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.6
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	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87				87
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74				74
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63				63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55				55
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48				48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42				42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37				37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33				33
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30				30
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27				27

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	21906
5°	21891
10°	21877
15°	21669
20°	21515
25°	21304
30°	20934
35°	20599
40°	19980
45°	19312
50°	18157
55°	16439
60°	14429
65°	12141
70°	9505
75°	6651
80°	3725
85°	2579



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.9	3.9
10°-20°	107.8	11.0
20°-30°	162.1	16.6
30°-40°	192.2	19.6
40°-50°	191.2	19.5
50°-60°	154.1	15.8
60°-70°	93.2	9.5
70°-80°	34.6	3.5
80°-90°	5.1	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°	307.8	31.5
0°-40°	499.9	51.1
0°-60°	845.3	86.4
0°-90°	978.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	978.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	400	
5°	398	38
15°	382	108
25°	352	162
35°	308	192
45°	249	191
55°	172	154
65°	94	93
75°	31	35
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	399.6
2.5°	399.6
5°	397.8
7.5°	396.6
10°	393.0
12.5°	387.1
15°	381.8
17.5°	375.9
20°	368.8
22.5°	361.6
25°	352.2
27.5°	342.0
30°	330.7
32.5°	320.1
35°	307.8
37.5°	294.7
40°	279.2
42.5°	264.4
45°	249.1
47.5°	231.8
50°	212.9
52.5°	193.2
55°	172.0
57.5°	152.9
60°	131.6
62.5°	112.6
65°	93.6
67.5°	75.8
70°	59.3
72.5°	44.5
75°	31.4
77.5°	20.1
80°	11.8
82.5°	7.1
85°	4.1
87.5°	1.8
90°	0.0



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— 0°-180°







(END OF REPORT)