

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: P843927

Luminaire Tested: **LD6C10DE010B2750 EU6C10B27 6LBCSMB**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843927
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: LD6C10DE010B2750 EU6C10B27 6LBCSMB
Description:
Light Source: -
Ballast/Driver:

Summary

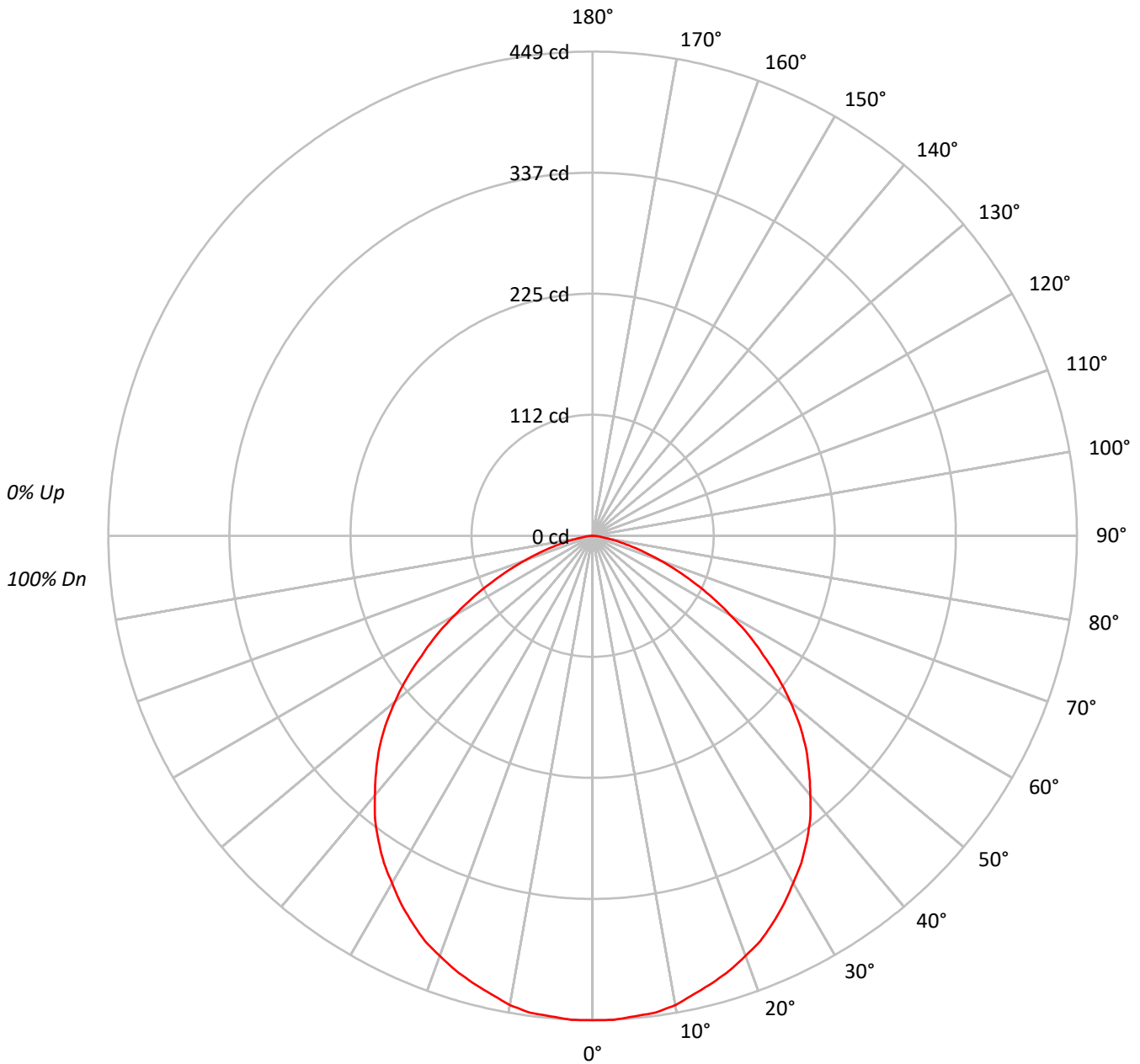
Lumens per Lamp: N/A
Luminaire Lumens: 1099.9 lumens
Efficiency: N/A
Efficacy: 82.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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	34				34
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°	24631
5°	24615
10°	24599
15°	24364
20°	24187
25°	23947
30°	23542
35°	23155
40°	22471
45°	21708
50°	20409
55°	18475
60°	16227
65°	13646
70°	10675
75°	7477
80°	4199
85°	2956



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.6	3.9
10°-20°	121.2	11.0
20°-30°	182.3	16.6
30°-40°	216.1	19.6
40°-50°	215.0	19.5
50°-60°	173.3	15.8
60°-70°	104.8	9.5
70°-80°	38.9	3.5
80°-90°	5.8	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°	346.0	31.5
0°-40°	562.1	51.1
0°-60°	950.4	86.4
0°-90°	1099.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1099.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	449	
5°	447	43
15°	429	121
25°	396	182
35°	346	216
45°	280	215
55°	193	173
65°	105	105
75°	35	39
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	449.3
2.5°	449.3
5°	447.3
7.5°	446.0
10°	441.9
12.5°	435.2
15°	429.3
17.5°	422.6
20°	414.6
22.5°	406.6
25°	395.9
27.5°	384.6
30°	371.9
32.5°	360.0
35°	346.0
37.5°	331.4
40°	314.0
42.5°	297.2
45°	280.0
47.5°	260.6
50°	239.3
52.5°	217.2
55°	193.3
57.5°	172.0
60°	148.0
62.5°	126.7
65°	105.2
67.5°	85.2
70°	66.6
72.5°	50.0
75°	35.3
77.5°	22.6
80°	13.3
82.5°	7.9
85°	4.7
87.5°	2.0
90°	0.0



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— 0°-180°







(END OF REPORT)