

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: P843980

Luminaire Tested: **LD6C10DE010B2750 EU6C10B40 6LBCSMW**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843980
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 EU6C10B40 6LBSCMW
Description:
Light Source: -
Ballast/Driver:

Summary

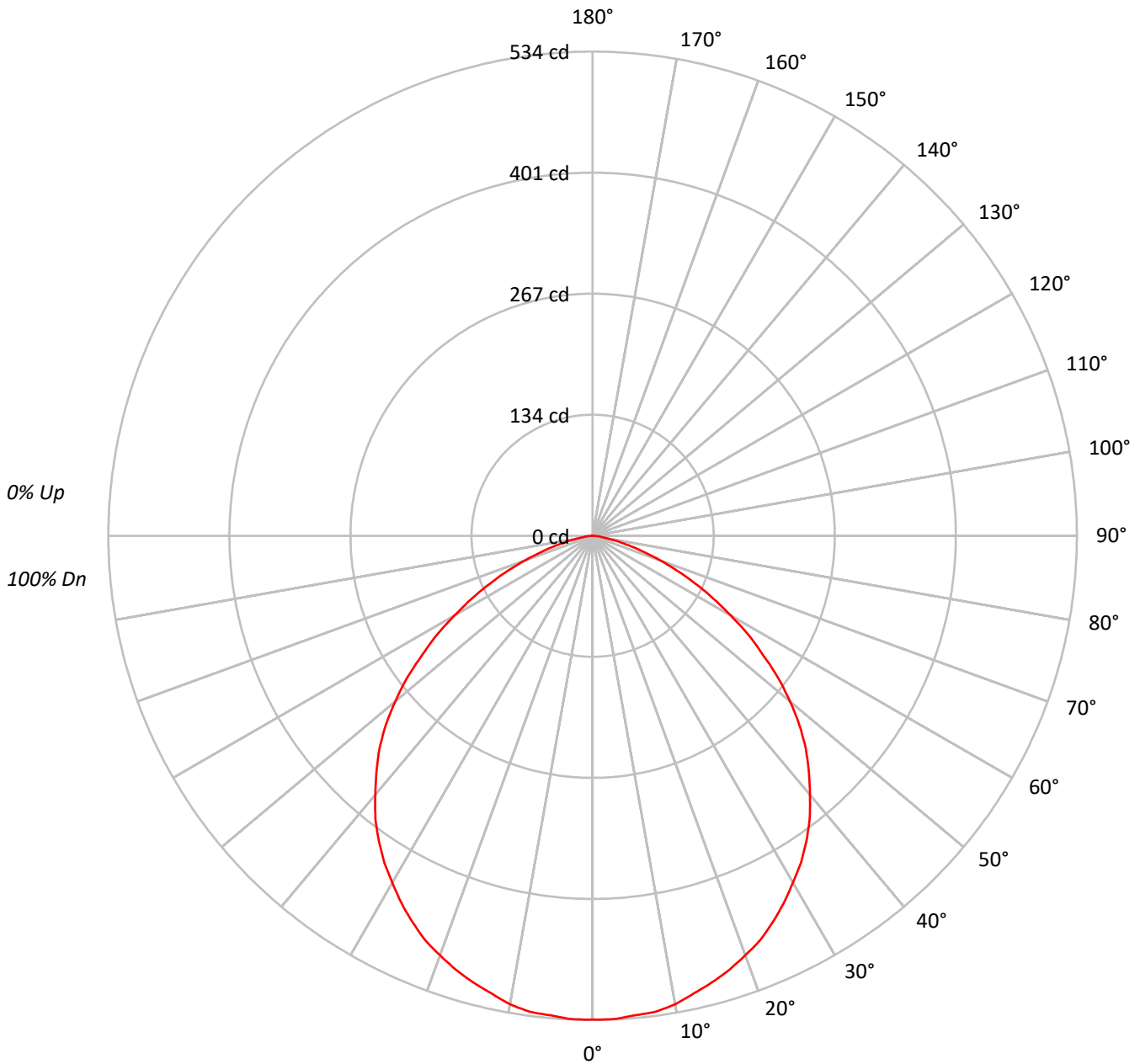
Lumens per Lamp: N/A
Luminaire Lumens: 1306.2 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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			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			
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°	29252
5°	29221
10°	29213
15°	28933
20°	28720
25°	28435
30°	27960
35°	27499
40°	26679
45°	25778
50°	24238
55°	21944
60°	19264
65°	16214
70°	12694
75°	8896
80°	4988
85°	3459



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.5	3.9
10°-20°	143.9	11.0
20°-30°	216.5	16.6
30°-40°	256.6	19.6
40°-50°	255.3	19.5
50°-60°	205.8	15.8
60°-70°	124.5	9.5
70°-80°	46.2	3.5
80°-90°	6.9	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°	410.9	31.5
0°-40°	667.5	51.1
0°-60°	1128.6	86.4
0°-90°	1306.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1306.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	534	
5°	531	51
15°	510	144
25°	470	216
35°	411	257
45°	332	255
55°	230	206
65°	125	124
75°	42	46
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	533.6
2.5°	533.6
5°	531.0
7.5°	529.6
10°	524.8
12.5°	516.9
15°	509.8
17.5°	501.8
20°	492.3
22.5°	482.8
25°	470.1
27.5°	456.7
30°	441.7
32.5°	427.5
35°	410.9
37.5°	393.4
40°	372.8
42.5°	352.9
45°	332.5
47.5°	309.5
50°	284.2
52.5°	258.0
55°	229.6
57.5°	204.2
60°	175.7
62.5°	150.4
65°	125.0
67.5°	101.3
70°	79.2
72.5°	59.4
75°	42.0
77.5°	26.9
80°	15.8
82.5°	9.5
85°	5.5
87.5°	2.3
90°	0.0



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— 0°-180°







(END OF REPORT)