

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: P844098

Luminaire Tested: **LD6C20DE010B2750 EU6C20B27 6LBCSMMS**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844098
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: LD6C20DE010B2750 EU6C20B27 6LBCSMMS
Description:
Light Source: -
Ballast/Driver:

Summary

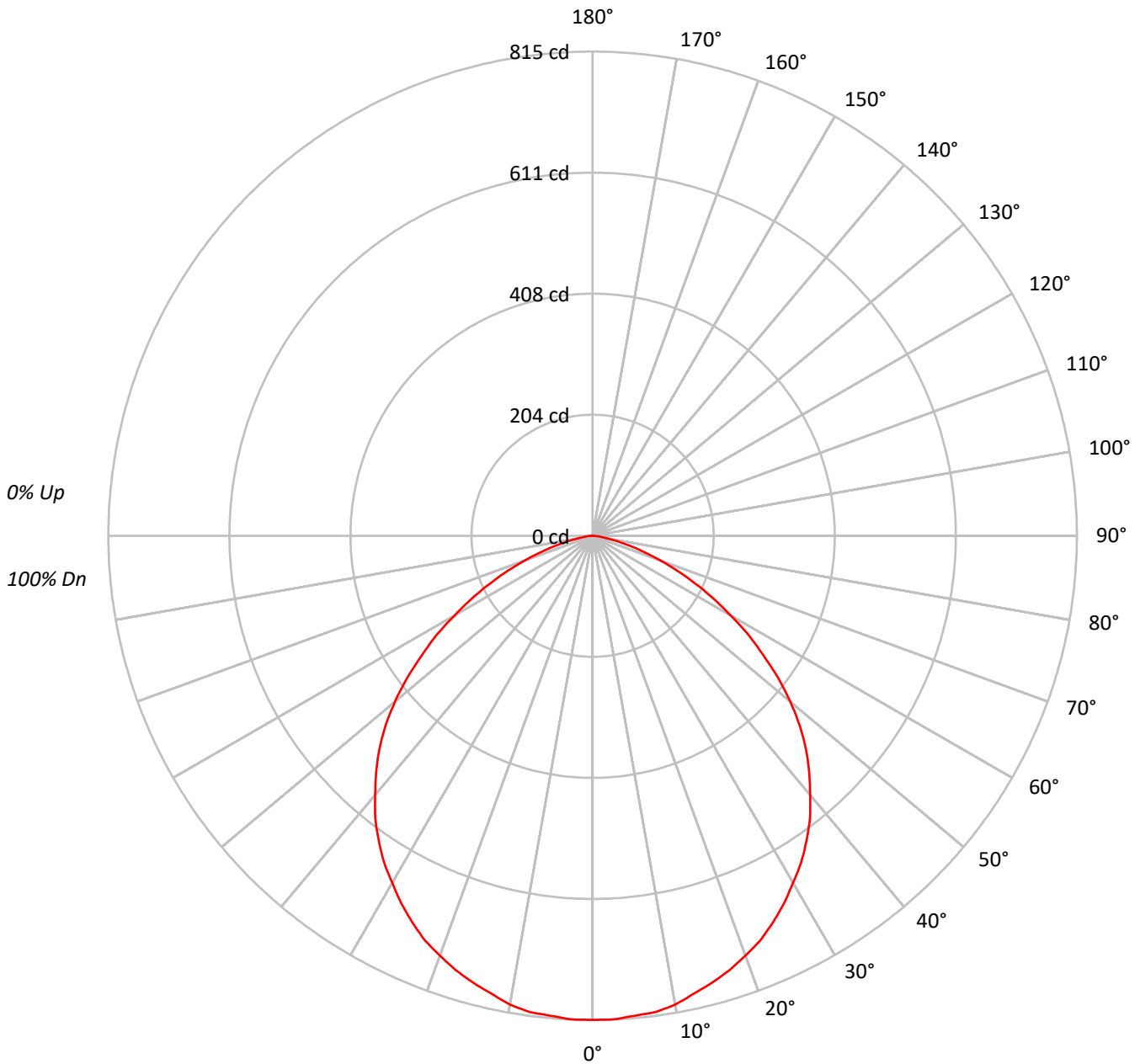
Lumens per Lamp: N/A
Luminaire Lumens: 1994.7 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
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°	44667
5°	44629
10°	44611
15°	44183
20°	43865
25°	43430
30°	42696
35°	41988
40°	40748
45°	39368
50°	37022
55°	33509
60°	29406
65°	24763
70°	19378
75°	13577
80°	7608
85°	5284



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.2	3.9
10°-20°	219.8	11.0
20°-30°	330.6	16.6
30°-40°	391.8	19.6
40°-50°	389.9	19.5
50°-60°	314.3	15.8
60°-70°	190.1	9.5
70°-80°	70.6	3.5
80°-90°	10.5	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°	627.5	31.5
0°-40°	1019.3	51.1
0°-60°	1723.5	86.4
0°-90°	1994.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1994.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	815	
5°	811	77
15°	778	220
25°	718	331
35°	627	392
45°	508	390
55°	351	314
65°	191	190
75°	64	71
85°	8	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	814.8
2.5°	814.8
5°	811.0
7.5°	808.7
10°	801.4
12.5°	789.2
15°	778.5
17.5°	766.4
20°	751.9
22.5°	737.3
25°	718.0
27.5°	697.4
30°	674.5
32.5°	652.8
35°	627.4
37.5°	600.8
40°	569.4
42.5°	539.1
45°	507.8
47.5°	472.6
50°	434.1
52.5°	394.0
55°	350.6
57.5°	311.8
60°	268.2
62.5°	229.7
65°	190.9
67.5°	154.6
70°	120.9
72.5°	90.7
75°	64.1
77.5°	41.0
80°	24.1
82.5°	14.5
85°	8.4
87.5°	3.6
90°	0.0



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— 0°-180°







(END OF REPORT)