

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: P844166

Luminaire Tested: **LD6C20DE010B50 EU6C20B50 6LBCSMMS**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844166
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: LD6C20DE010B50 EU6C20B50 6LBCSMMS
Description:
Light Source: -
Ballast/Driver:

Summary

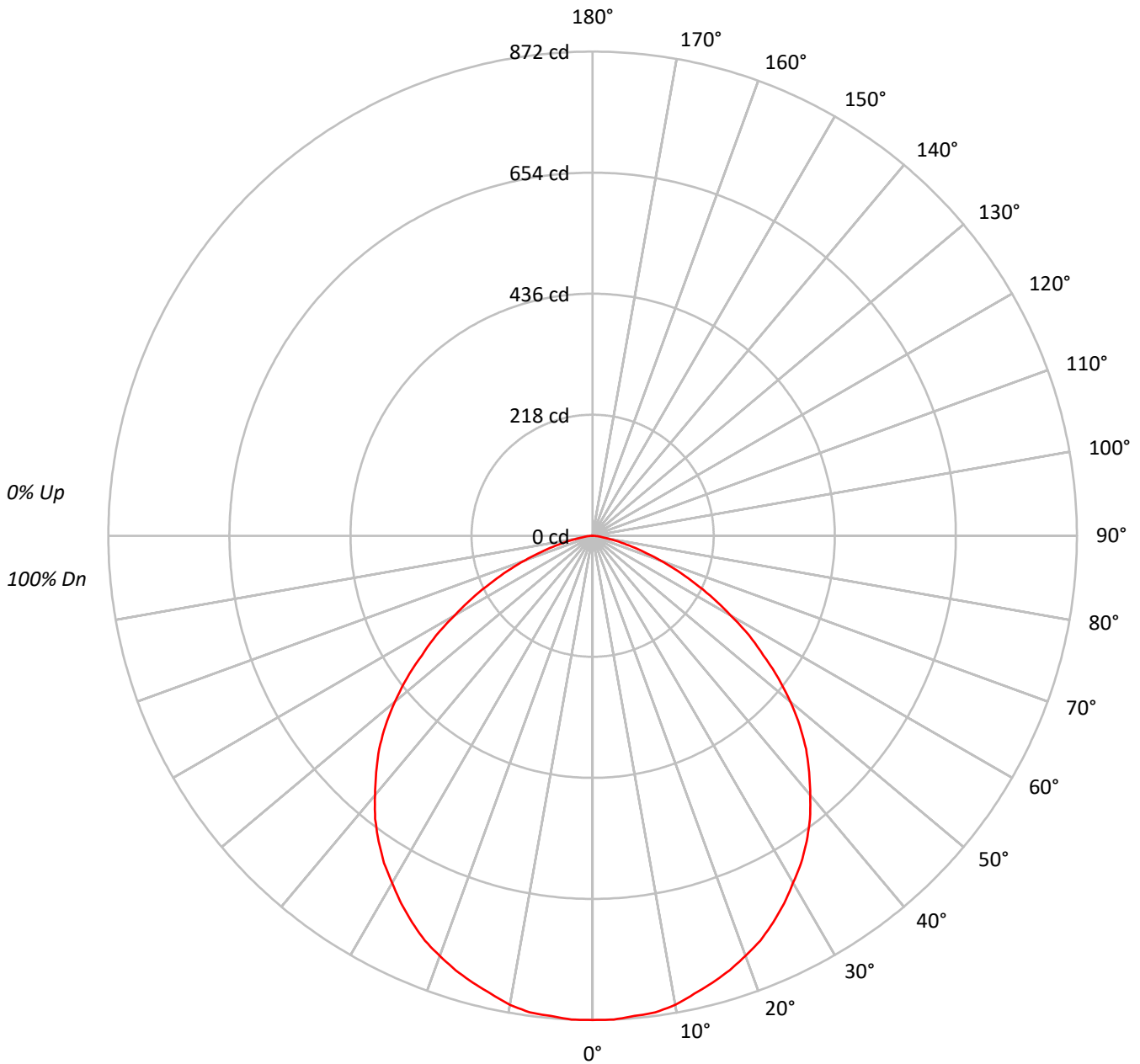
Lumens per Lamp: N/A
Luminaire Lumens: 2135.3 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	47814
5°	47777
10°	47761
15°	47299
20°	46962
25°	46491
30°	45697
35°	44952
40°	43617
45°	42144
50°	39623
55°	35879
60°	31478
65°	26514
70°	20757
75°	14530
80°	8145
85°	5661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.6	3.9
10°-20°	235.3	11.0
20°-30°	353.9	16.6
30°-40°	419.4	19.6
40°-50°	417.4	19.5
50°-60°	336.5	15.8
60°-70°	203.5	9.5
70°-80°	75.6	3.5
80°-90°	11.2	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°	671.8	31.5
0°-40°	1091.2	51.1
0°-60°	1845.0	86.4
0°-90°	2135.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2135.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	872	
5°	868	83
15°	833	235
25°	769	354
35°	672	419
45°	544	417
55°	375	336
65°	204	204
75°	69	76
85°	9	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	872.2
2.5°	872.2
5°	868.2
7.5°	865.8
10°	858.0
12.5°	844.9
15°	833.4
17.5°	820.4
20°	805.0
22.5°	789.3
25°	768.6
27.5°	746.6
30°	721.9
32.5°	698.9
35°	671.7
37.5°	643.1
40°	609.5
42.5°	577.0
45°	543.6
47.5°	505.9
50°	464.6
52.5°	421.8
55°	375.4
57.5°	333.8
60°	287.1
62.5°	245.9
65°	204.4
67.5°	165.6
70°	129.5
72.5°	97.1
75°	68.6
77.5°	44.0
80°	25.8
82.5°	15.4
85°	9.0
87.5°	3.8
90°	0.0



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— 0°-180°







(END OF REPORT)