

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: P844171

Luminaire Tested: **LD6C20DE010B50 EU6C20B50 6LBMB**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844171
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203577)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C20DE010B50 EU6C20B50 6LBMB
Description:
Light Source: -
Ballast/Driver:

Summary

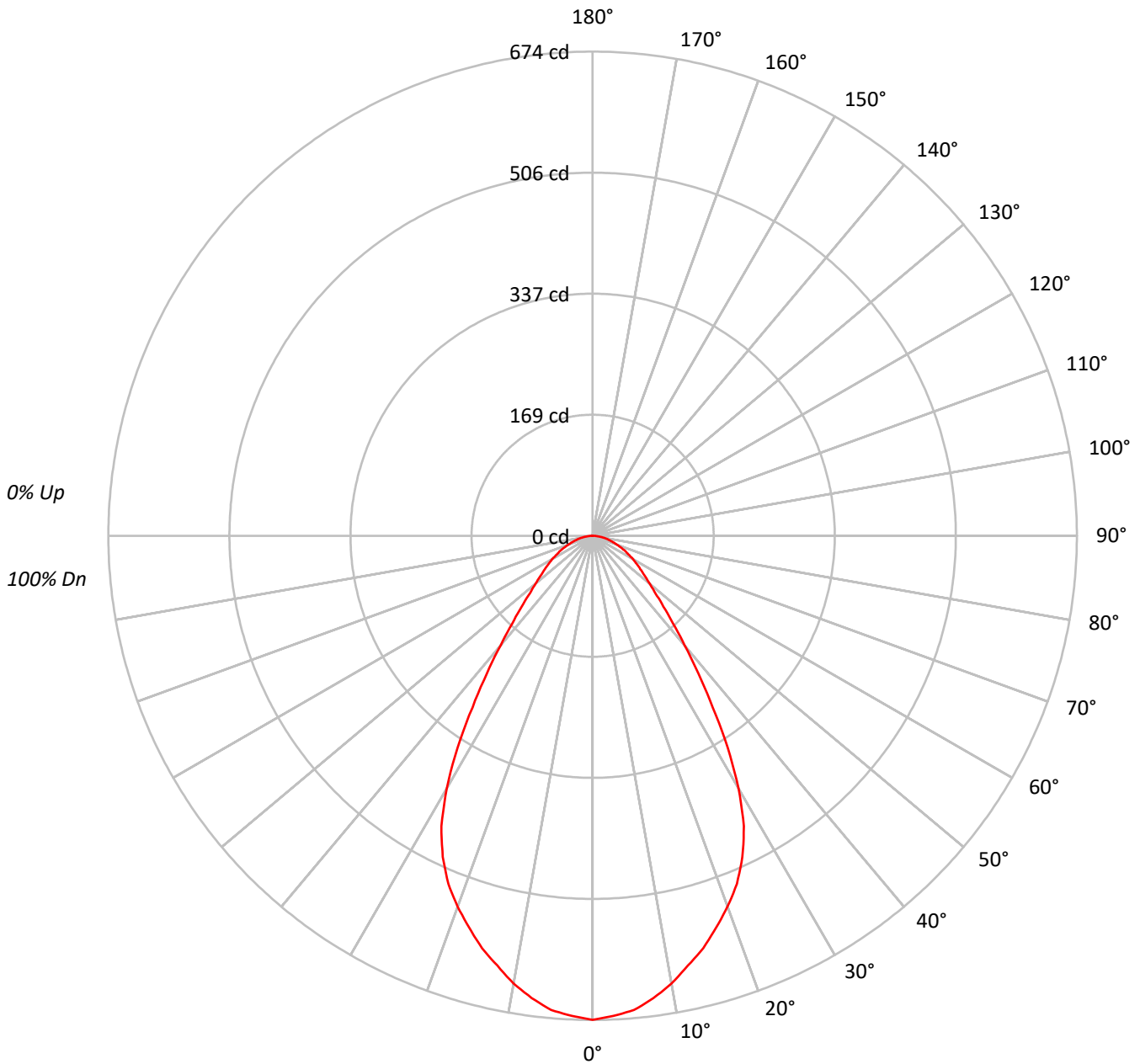
Lumens per Lamp: N/A
Luminaire Lumens: 903.2 lumens
Efficiency: N/A
Efficacy: 41.4 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				
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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89			
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71			
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64			
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58			
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48			
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41			
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	36943
5°	36468
10°	35231
15°	33729
20°	32045
25°	29838
30°	25706
35°	19508
40°	14262
45°	10815
50°	8818
55°	7742
60°	7094
65°	6460
70°	5786
75°	5274
80°	4704
85°	3900



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.3	6.9
10°-20°	166.8	18.5
20°-30°	223.9	24.8
30°-40°	183.7	20.3
40°-50°	110.3	12.2
50°-60°	73.3	8.1
60°-70°	49.1	5.4
70°-80°	26.4	2.9
80°-90°	7.4	0.8
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°	452.9	50.1
0°-40°	636.6	70.5
0°-60°	820.2	90.8
0°-90°	903.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	903.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	674	
5°	663	62
15°	594	167
25°	493	224
35°	292	184
45°	140	110
55°	81	73
65°	50	49
75°	25	26
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	673.9
2.5°	669.0
5°	662.7
7.5°	649.1
10°	632.9
12.5°	612.9
15°	594.3
17.5°	571.8
20°	549.3
22.5°	524.5
25°	493.3
27.5°	455.9
30°	406.1
32.5°	350.1
35°	291.5
37.5°	241.7
40°	199.3
42.5°	165.7
45°	139.5
47.5°	118.3
50°	103.4
52.5°	91.0
55°	81.0
57.5°	72.2
60°	64.7
62.5°	56.1
65°	49.8
67.5°	42.4
70°	36.1
72.5°	29.9
75°	24.9
77.5°	19.9
80°	14.9
82.5°	11.2
85°	6.2
87.5°	2.5
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)