

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: P844175

Luminaire Tested: **LD6C20DE010B50 EU6C20B50 6LBMMW**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844175
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 6LBMMW
Description:
Light Source: -
Ballast/Driver:

Summary

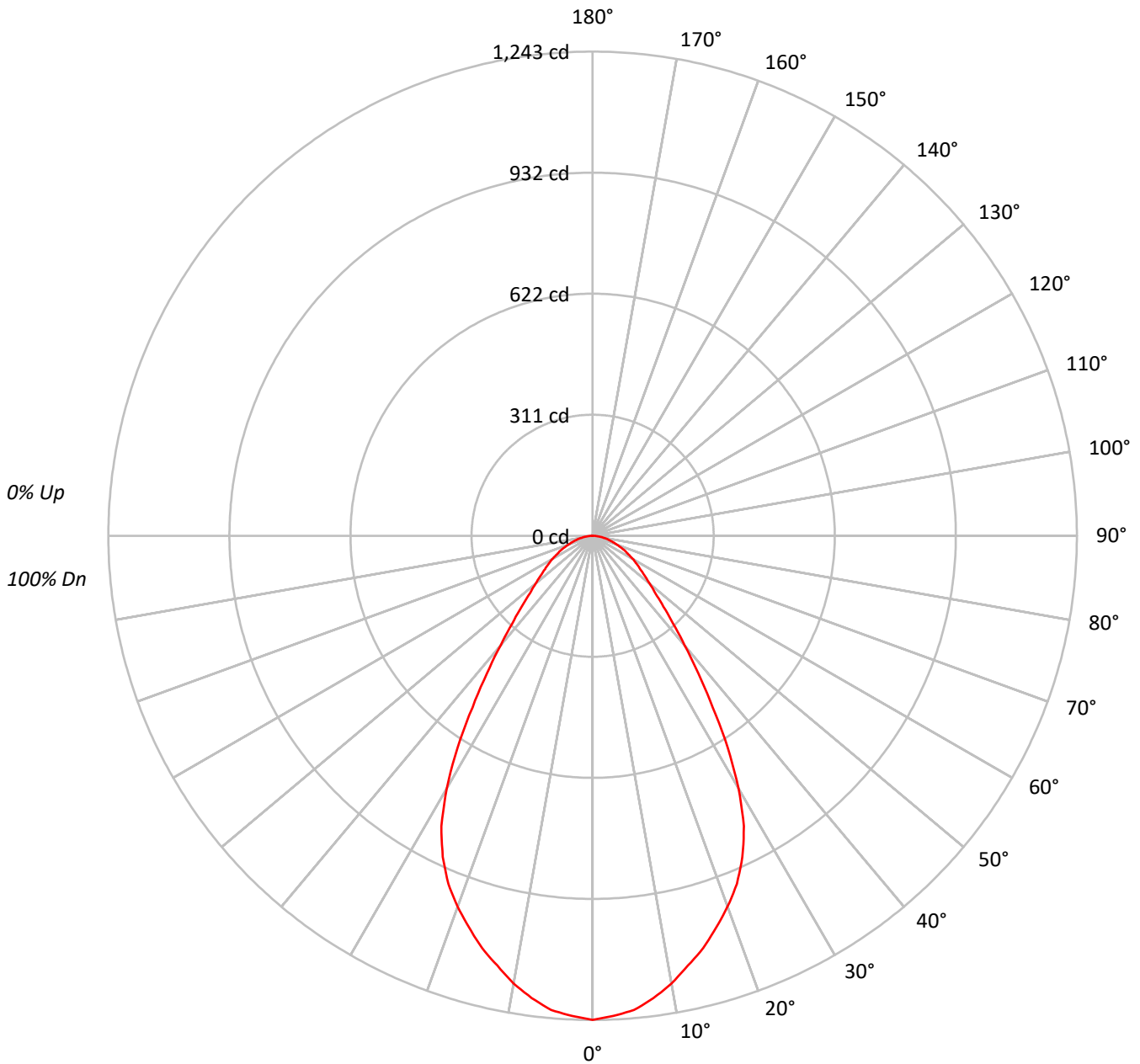
Lumens per Lamp: N/A
Luminaire Lumens: 1665.7 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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			100
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89			89
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			79
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71			71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64			64
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58			58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53			53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48			48
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			44
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41			41
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	68136
5°	67263
10°	64968
15°	62197
20°	59108
25°	55031
30°	47406
35°	35978
40°	26306
45°	19948
50°	16264
55°	14270
60°	13102
65°	11921
70°	10675
75°	9722
80°	8713
85°	7170



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.8	6.9
10°-20°	307.5	18.5
20°-30°	413.0	24.8
30°-40°	338.7	20.3
40°-50°	203.4	12.2
50°-60°	135.2	8.1
60°-70°	90.6	5.4
70°-80°	48.7	2.9
80°-90°	13.7	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°	835.3	50.1
0°-40°	1174.1	70.5
0°-60°	1512.7	90.8
0°-90°	1665.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1665.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1243	
5°	1222	115
15°	1096	308
25°	910	413
35°	538	339
45°	257	203
55°	149	135
65°	92	91
75°	46	49
85°	11	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1242.9
2.5°	1233.7
5°	1222.3
7.5°	1197.0
10°	1167.1
12.5°	1130.3
15°	1095.9
17.5°	1054.6
20°	1013.2
22.5°	967.3
25°	909.8
27.5°	840.9
30°	748.9
32.5°	645.6
35°	537.6
37.5°	445.7
40°	367.6
42.5°	305.6
45°	257.3
47.5°	218.3
50°	190.7
52.5°	167.7
55°	149.3
57.5°	133.3
60°	119.5
62.5°	103.4
65°	91.9
67.5°	78.2
70°	66.6
72.5°	55.1
75°	45.9
77.5°	36.7
80°	27.6
82.5°	20.6
85°	11.4
87.5°	4.5
90°	0.0



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— 0°-180°







(END OF REPORT)