

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: P844181

Luminaire Tested: **LD6C20DE010B50 EU6C20B50 6LBWLI**

Issue Date: 2/17/2023



Test Information

Test Method: LM-79-08
Report Number: P844181
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205209)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C20DE010B50 EU6C20B50 6LBWLI
Description:
Light Source: -
Ballast/Driver:

Summary

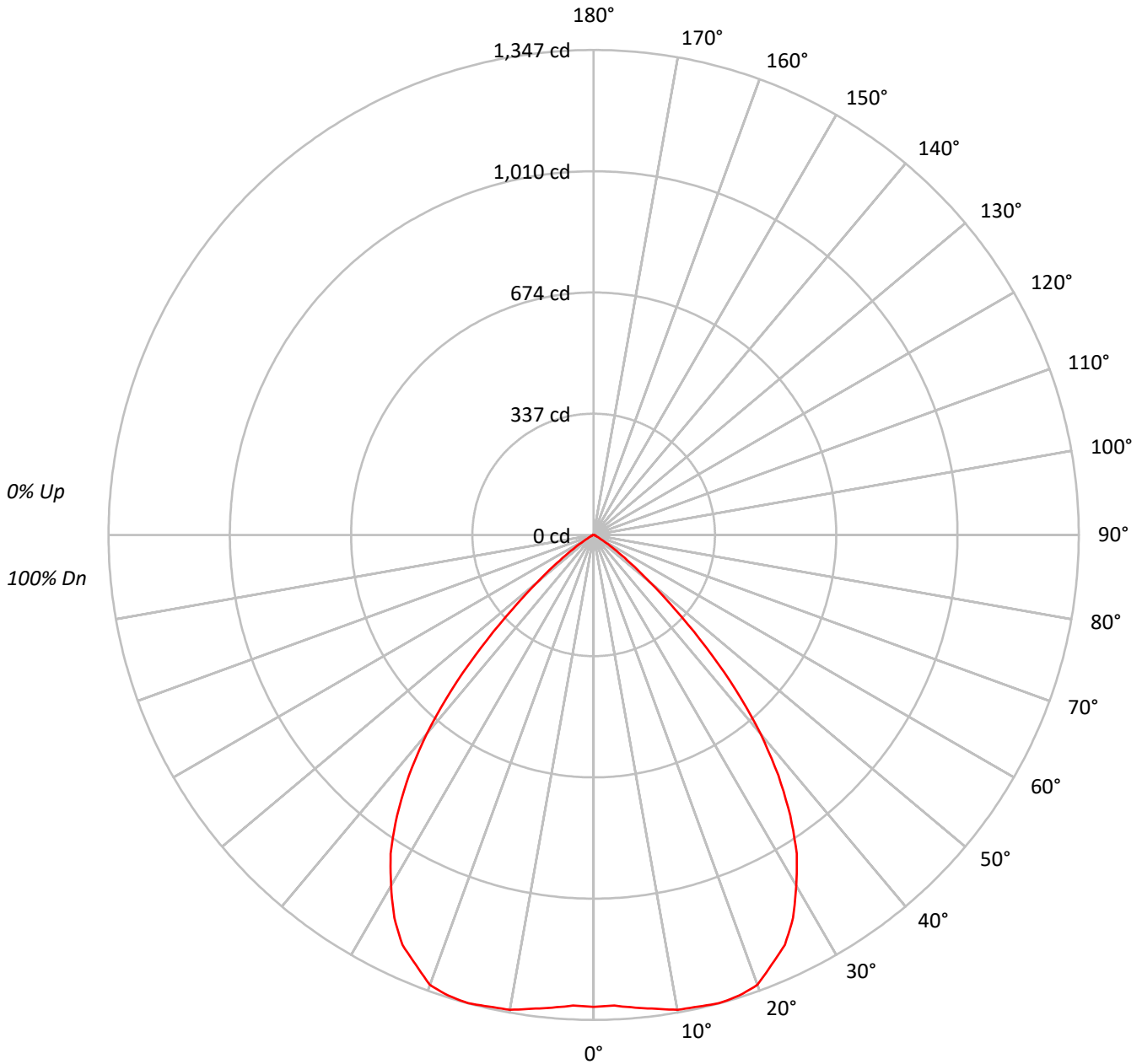
Lumens per Lamp: N/A
Luminaire Lumens: 2098.3 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P844181

CATALOG NUMBER: LD6C20DE010B50 EU6C20B50 6LBWLI

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	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92				92
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83				83
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76				76
4	93	85	78	73	92	84	78	73	81	76	72	79	75	71	77	74	70	69				69
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63				63
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57				57
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52				52
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48				48
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44				44
10	65	54	47	43	64	53	47	42	52	46	42	51	46	42	51	46	42	41				41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	71864
5°	72529
10°	74559
15°	76425
20°	77584
25°	75984
30°	71232
35°	63691
40°	51590
45°	34128
50°	17245
55°	7273
60°	2346
65°	921
70°	769
75°	508
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.5	6.0
10°-20°	380.1	18.1
20°-30°	573.0	27.3
30°-40°	586.5	28.0
40°-50°	341.7	16.3
50°-60°	78.5	3.7
60°-70°	9.6	0.5
70°-80°	2.5	0.1
80°-90°	0.0	0.0
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°	1079.5	51.4
0°-40°	1666.0	79.4
0°-60°	2086.2	99.4
0°-90°	2098.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2098.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1311	
5°	1318	126
15°	1347	380
25°	1256	573
35°	952	586
45°	440	342
55°	76	79
65°	7	10
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1310.9
2.5°	1308.5
5°	1318.0
7.5°	1327.4
10°	1339.4
12.5°	1341.8
15°	1346.6
17.5°	1341.8
20°	1329.9
22.5°	1291.8
25°	1256.2
27.5°	1199.0
30°	1125.3
32.5°	1049.2
35°	951.7
37.5°	842.2
40°	720.9
42.5°	585.3
45°	440.2
47.5°	306.8
50°	202.2
52.5°	128.5
55°	76.1
57.5°	40.5
60°	21.4
62.5°	11.8
65°	7.1
67.5°	7.1
70°	4.8
72.5°	2.4
75°	2.4
77.5°	2.4
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)