

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: P844177

Luminaire Tested: **LD6C20DE010B50 EU6C20B50 6LBNLI**

Issue Date: 2/17/2023



Test Information

Test Method: LM-79-08
Report Number: P844177
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205310)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C20DE010B50 EU6C20B50 6LBNLI
Description:
Light Source: -
Ballast/Driver:

Summary

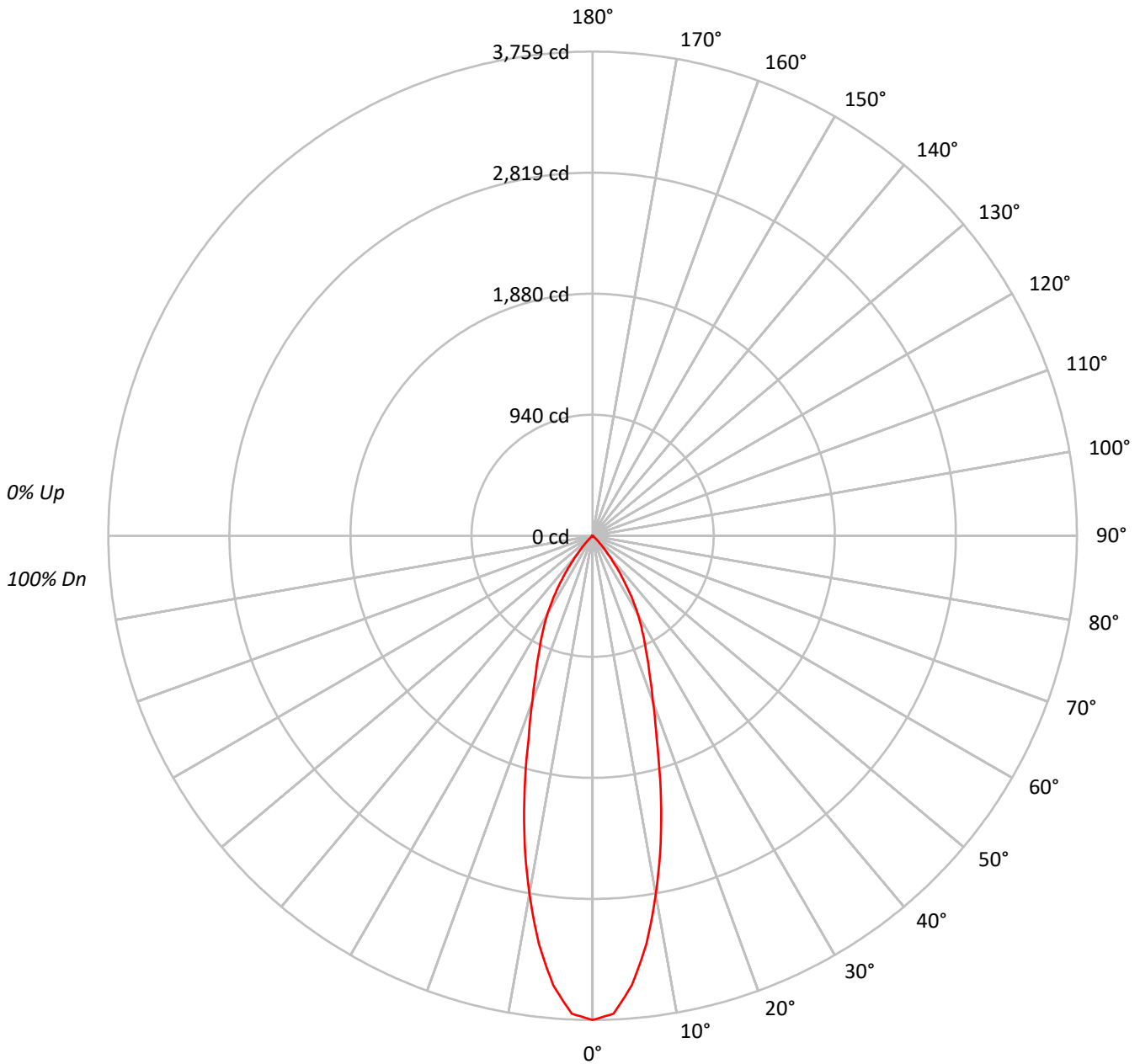
Lumens per Lamp: N/A
Luminaire Lumens: 1651.0 lumens
Efficiency: N/A
Efficacy: 75.7 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.58
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P844177

CATALOG NUMBER: LD6C20DE010B50 EU6C20B50 6LBNLI

Luminous Intensity Polar Plot





TEST NUMBER: P844177

CATALOG NUMBER: LD6C20DE010B50 EU6C20B50 6LBNLI

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	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	96	95			
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89			
3	105	99	94	91	103	97	93	90	95	91	89	93	90	87	90	88	86	85			
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80			
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76			
6	92	84	79	75	90	83	78	75	82	77	74	80	76	74	79	76	73	72			
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	68			
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	73	69	66	65			
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62			
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	206058
5°	192703
10°	157167
15°	115648
20°	79719
25°	59181
30°	44456
35°	27720
40°	13454
45°	4613
50°	606
55°	459
60°	263
65°	311
70°	385
75°	0
80°	0
85°	0



TEST NUMBER: P844177

CATALOG NUMBER: LD6C20DE010B50 EU6C20B50 6LBNLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.5	18.9
10°-20°	561.0	34.0
20°-30°	453.6	27.5
30°-40°	261.3	15.8
40°-50°	55.2	3.3
50°-60°	4.8	0.3
60°-70°	2.4	0.1
70°-80°	0.3	0.0
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°	1327.0	80.4
0°-40°	1588.3	96.2
0°-60°	1648.3	99.8
0°-90°	1651.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1651.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3759	
5°	3502	313
15°	2038	561
25°	978	454
35°	414	261
45°	60	55
55°	5	5
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P844177

CATALOG NUMBER: LD6C20DE010B50 EU6C20B50 6LBNLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	3758.8
2.5°	3713.7
5°	3501.8
7.5°	3197.1
10°	2823.4
12.5°	2440.1
15°	2037.7
17.5°	1649.7
20°	1366.5
22.5°	1149.9
25°	978.4
27.5°	833.2
30°	702.3
32.5°	557.1
35°	414.2
37.5°	288.0
40°	188.0
42.5°	114.3
45°	59.5
47.5°	23.8
50°	7.1
52.5°	7.1
55°	4.8
57.5°	4.8
60°	2.4
62.5°	2.4
65°	2.4
67.5°	2.4
70°	2.4
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)