

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: P844180

Luminaire Tested: **LD6C20DE010B50 EU6C20B50 6LBWH**

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-08
Report Number: P844180
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P202739)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C20DE010B50 EU6C20B50 6LBWH
Description:
Light Source: -
Ballast/Driver:

Summary

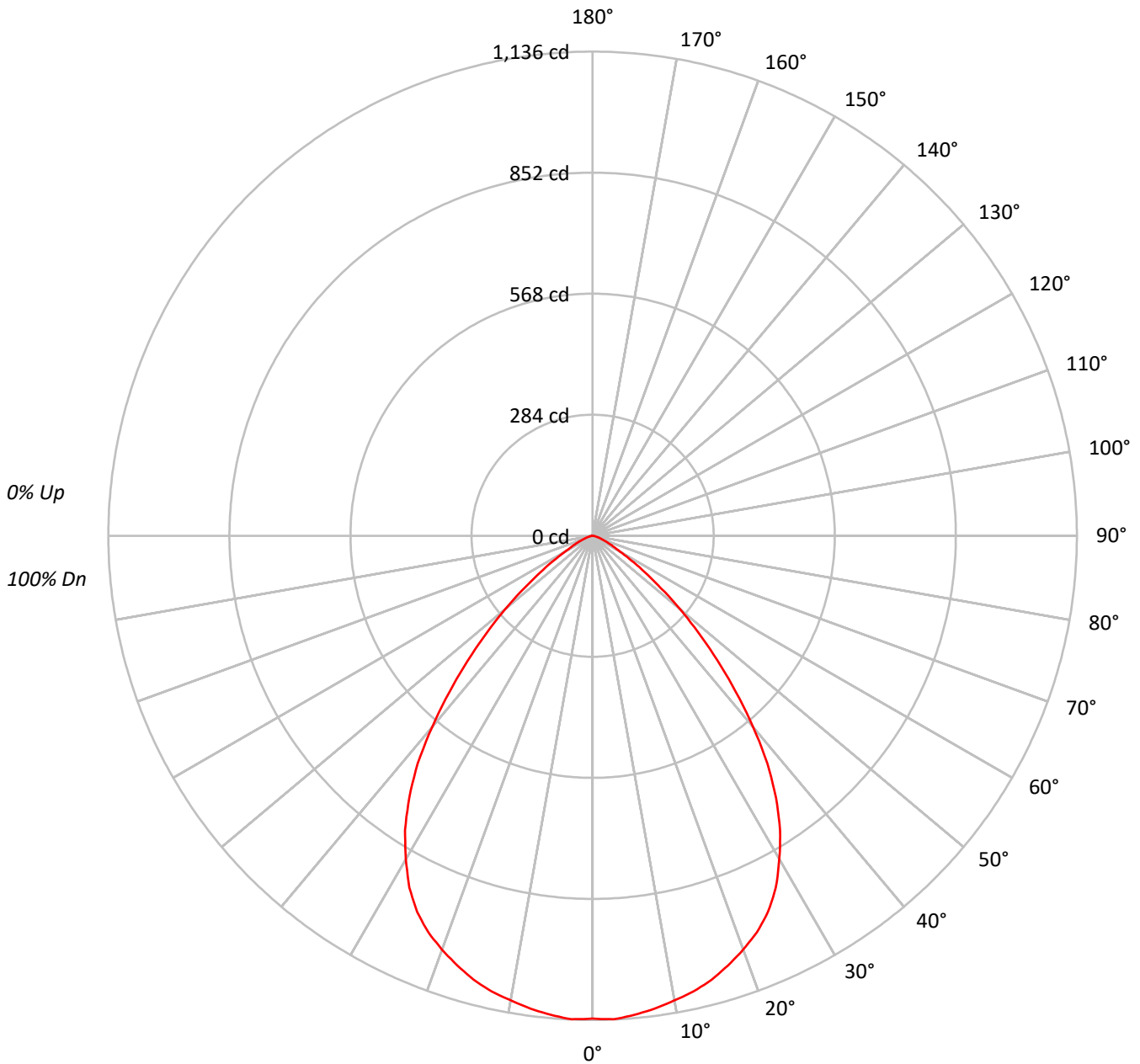
Lumens per Lamp: N/A
Luminaire Lumens: 1837.1 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P844180

CATALOG NUMBER: LD6C20DE010B50 EU6C20B50 6LBWH

Luminous Intensity Polar Plot





TEST NUMBER: P844180

CATALOG NUMBER: LD6C20DE010B50 EU6C20B50 6LBWH

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	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91			
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81			
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73			
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65			
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59			
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53			
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49			
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	47	43	53	47	43	52	47	42	51	46	42	41			
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	62111
5°	62095
10°	61617
15°	61204
20°	60269
25°	58897
30°	55452
35°	50186
40°	41907
45°	32112
50°	22737
55°	14336
60°	8080
65°	5253
70°	3430
75°	2499
80°	1515
85°	1510



TEST NUMBER: P844180

CATALOG NUMBER: LD6C20DE010B50 EU6C20B50 6LBWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.0	5.8
10°-20°	303.7	16.5
20°-30°	445.3	24.2
30°-40°	463.4	25.2
40°-50°	320.6	17.5
50°-60°	139.6	7.6
60°-70°	42.8	2.3
70°-80°	12.8	0.7
80°-90°	2.0	0.1
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°	855.9	46.6
0°-40°	1319.3	71.8
0°-60°	1779.5	96.9
0°-90°	1837.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1837.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1133	
5°	1128	107
15°	1078	304
25°	974	445
35°	750	463
45°	414	321
55°	150	140
65°	40	43
75°	12	13
85°	2	2
90°	0	



TEST NUMBER: P844180

CATALOG NUMBER: LD6C20DE010B50 EU6C20B50 6LBWH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1133.0
2.5°	1135.5
5°	1128.4
7.5°	1118.9
10°	1106.9
12.5°	1095.0
15°	1078.4
17.5°	1056.9
20°	1033.1
22.5°	1007.0
25°	973.7
27.5°	930.7
30°	876.0
32.5°	818.8
35°	749.9
37.5°	673.7
40°	585.6
42.5°	497.5
45°	414.2
47.5°	335.6
50°	266.6
52.5°	202.4
55°	150.0
57.5°	107.1
60°	73.7
62.5°	54.8
65°	40.5
67.5°	31.0
70°	21.4
72.5°	16.7
75°	11.8
77.5°	7.1
80°	4.8
82.5°	2.4
85°	2.4
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)