

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: P844164

Luminaire Tested: **LD6C20DE010B40 EU6C20B40 6LBWLI**

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-08
Report Number: P844164
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: LD6C20DE010B40 EU6C20B40 6LBWLI
Description:
Light Source: -
Ballast/Driver:

Summary

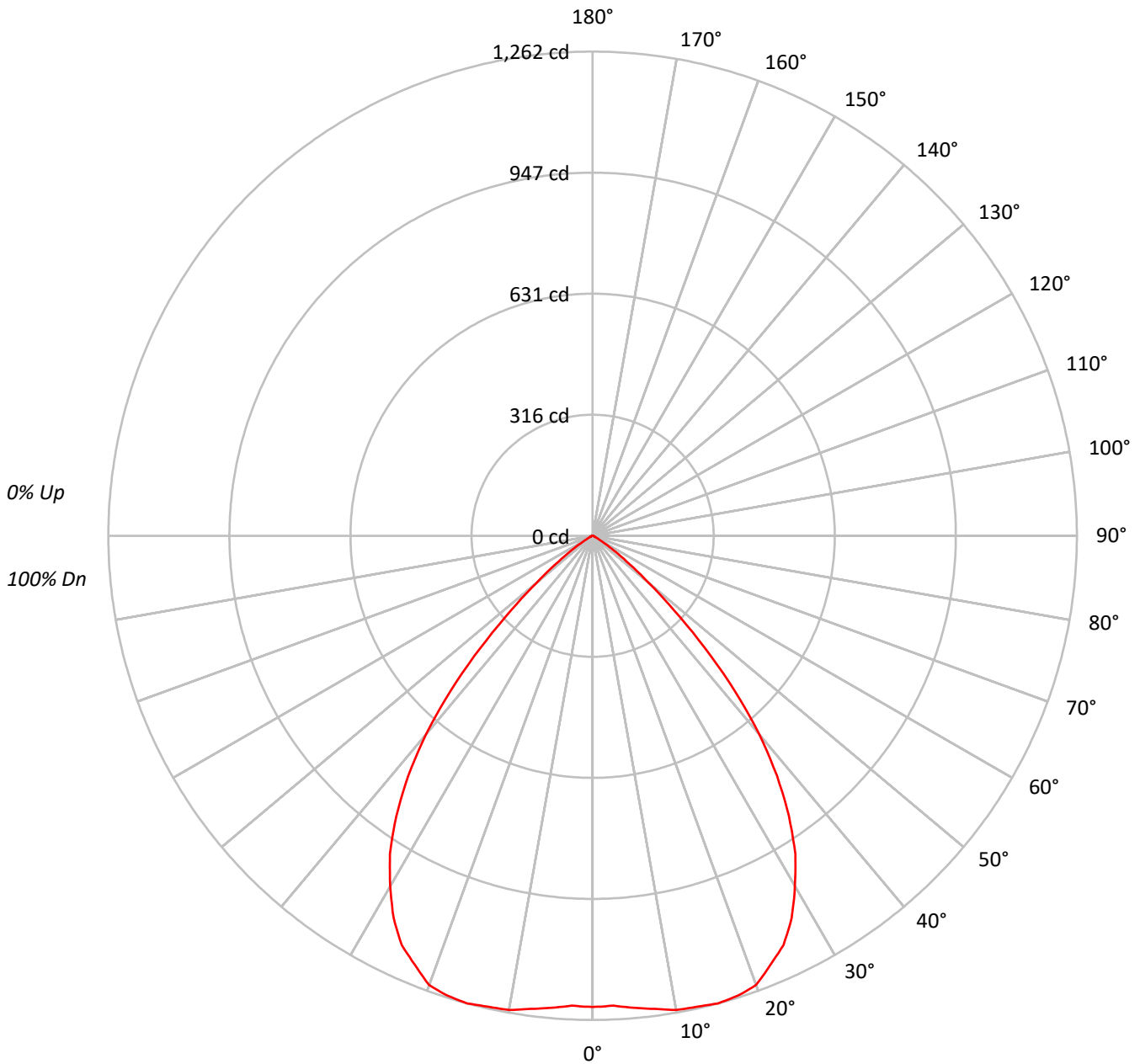
Lumens per Lamp: N/A
Luminaire Lumens: 1966.1 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P844164

CATALOG NUMBER: LD6C20DE010B40 EU6C20B40 6LBWLI

Luminous Intensity Polar Plot





TEST NUMBER: P844164

CATALOG NUMBER: LD6C20DE010B40 EU6C20B40 6LBWLI

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	67336
5°	67962
10°	69861
15°	71612
20°	72695
25°	71194
30°	66751
35°	59675
40°	48333
45°	31980
50°	16162
55°	6824
60°	2193
65°	869
70°	705
75°	466
80°	0
85°	0



TEST NUMBER: P844164

CATALOG NUMBER: LD6C20DE010B40 EU6C20B40 6LBWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.5	6.0
10°-20°	356.2	18.1
20°-30°	536.9	27.3
30°-40°	549.5	27.9
40°-50°	320.2	16.3
50°-60°	73.6	3.7
60°-70°	9.0	0.5
70°-80°	2.3	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°	1011.5	51.4
0°-40°	1561.1	79.4
0°-60°	1954.8	99.4
0°-90°	1966.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1966.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1228	
5°	1235	118
15°	1262	356
25°	1177	537
35°	892	550
45°	412	320
55°	71	74
65°	7	9
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P844164

CATALOG NUMBER: LD6C20DE010B40 EU6C20B40 6LBWLI

CANDELA DISTRIBUTION (FULL):

0°	
0°	1228.3
2.5°	1226.0
5°	1235.0
7.5°	1243.9
10°	1255.0
12.5°	1257.2
15°	1261.8
17.5°	1257.2
20°	1246.1
22.5°	1210.5
25°	1177.0
27.5°	1123.5
30°	1054.5
32.5°	983.1
35°	891.7
37.5°	789.1
40°	675.4
42.5°	548.4
45°	412.5
47.5°	287.6
50°	189.5
52.5°	120.4
55°	71.4
57.5°	37.9
60°	20.0
62.5°	11.1
65°	6.7
67.5°	6.7
70°	4.4
72.5°	2.2
75°	2.2
77.5°	2.2
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)