

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: P844165

Luminaire Tested: **LD6C20DE010B50 EU6C20B50 6LBCSMB**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844165
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P204757)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C20DE010B50 EU6C20B50 6LBCSMB
Description:
Light Source: -
Ballast/Driver:

Summary

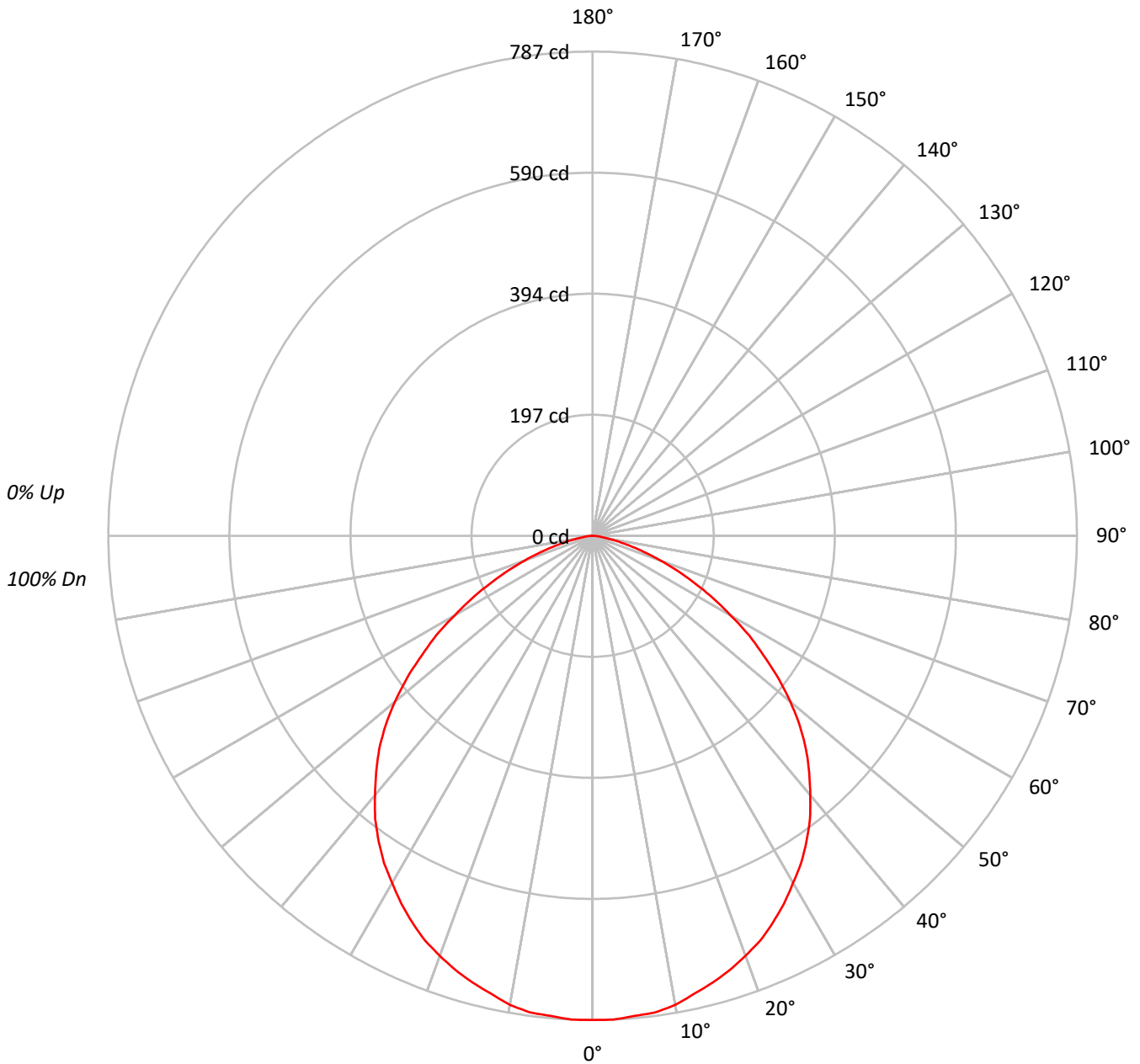
Lumens per Lamp: N/A
Luminaire Lumens: 1927.0 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P844165

CATALOG NUMBER: LD6C20DE010B50 EU6C20B50 6LBCSMB

Luminous Intensity Polar Plot





TEST NUMBER: P844165

CATALOG NUMBER: LD6C20DE010B50 EU6C20B50 6LBCSMB

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	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87				87
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74				74
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63				63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55				55
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48				48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42				42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37				37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33				33
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30				30
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27				27

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	43149
5°	43116
10°	43097
15°	42685
20°	42377
25°	41954
30°	41241
35°	40562
40°	39367
45°	38027
50°	35751
55°	32372
60°	28408
65°	23933
70°	18721
75°	13132
80°	7356
85°	5095



TEST NUMBER: P844165

CATALOG NUMBER: LD6C20DE010B50 EU6C20B50 6LBCSMB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.6	3.9
10°-20°	212.3	11.0
20°-30°	319.3	16.6
30°-40°	378.5	19.6
40°-50°	376.7	19.5
50°-60°	303.6	15.8
60°-70°	183.7	9.5
70°-80°	68.3	3.5
80°-90°	10.1	0.5
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°	606.2	31.5
0°-40°	984.7	51.1
0°-60°	1665.0	86.4
0°-90°	1927.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1927.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	787	
5°	784	75
15°	752	212
25°	694	319
35°	606	379
45°	490	377
55°	339	304
65°	184	184
75°	62	68
85°	8	10
90°	0	



TEST NUMBER: P844165

CATALOG NUMBER: LD6C20DE010B50 EU6C20B50 6LBCSMB

CANDELA DISTRIBUTION (FULL):

	0°
0°	787.1
2.5°	787.1
5°	783.5
7.5°	781.3
10°	774.2
12.5°	762.4
15°	752.1
17.5°	740.3
20°	726.4
22.5°	712.2
25°	693.6
27.5°	673.8
30°	651.5
32.5°	630.7
35°	606.1
37.5°	580.4
40°	550.1
42.5°	520.8
45°	490.5
47.5°	456.6
50°	419.2
52.5°	380.6
55°	338.7
57.5°	301.2
60°	259.1
62.5°	221.9
65°	184.5
67.5°	149.4
70°	116.8
72.5°	87.7
75°	62.0
77.5°	39.7
80°	23.3
82.5°	14.0
85°	8.1
87.5°	3.5
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)