

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: P844131

Luminaire Tested: **LD6C20DE010B2750 EU6C20B35 6LBCSMB**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844131
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: LD6C20DE010B2750 EU6C20B35 6LBCSMB
Description:
Light Source: -
Ballast/Driver:

Summary

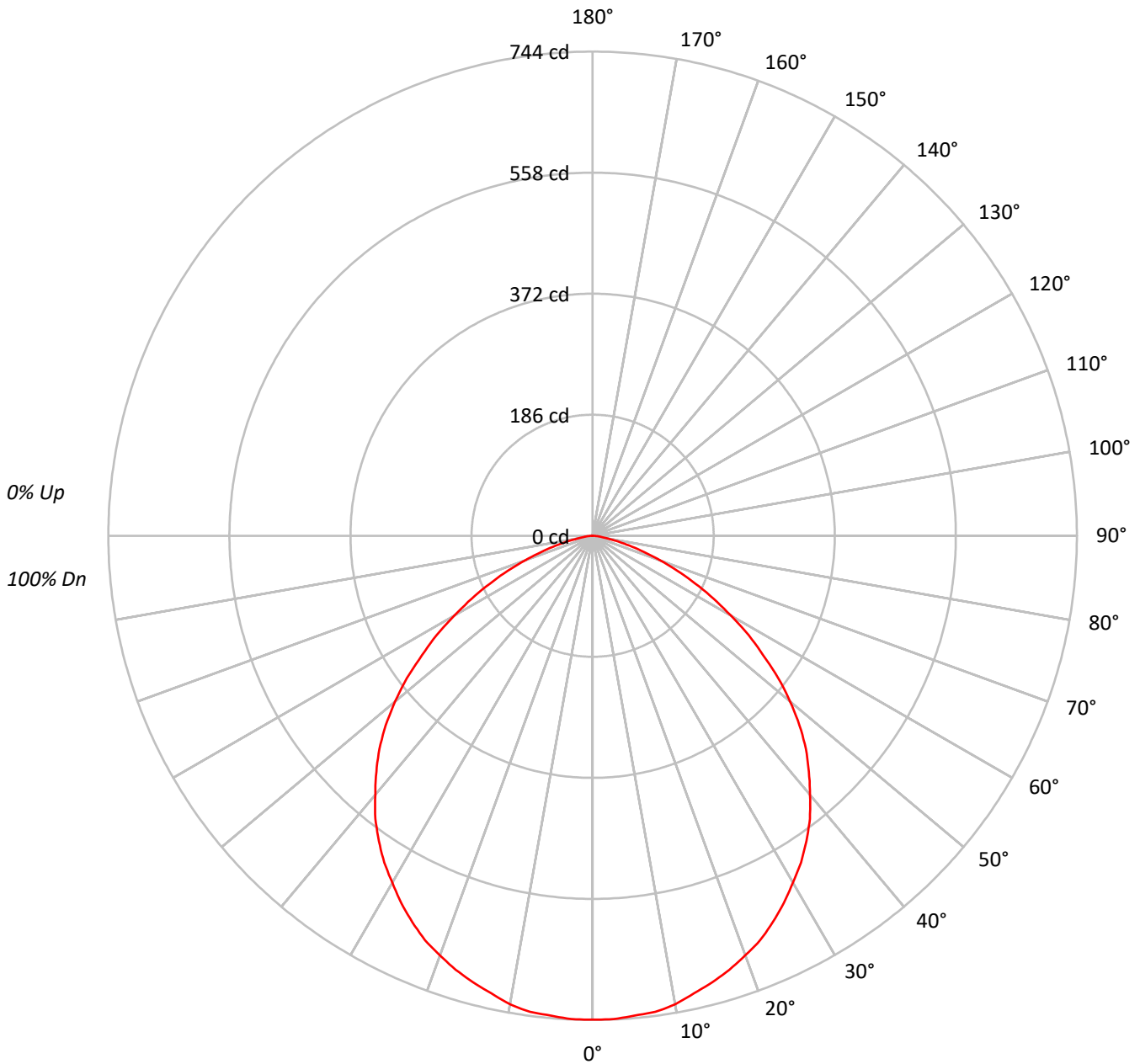
Lumens per Lamp: N/A
Luminaire Lumens: 1820.1 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P844131

CATALOG NUMBER: LD6C20DE010B2750 EU6C20B35 6LBCSMB

Luminous Intensity Polar Plot





TEST NUMBER: P844131

CATALOG NUMBER: LD6C20DE010B2750 EU6C20B35 6LBCSMB

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			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°	40759
5°	40727
10°	40703
15°	40318
20°	40026
25°	39631
30°	38955
35°	38313
40°	37184
45°	35918
50°	33781
55°	30575
60°	26840
65°	22596
70°	17679
75°	12391
80°	6945
85°	4780



TEST NUMBER: P844131

CATALOG NUMBER: LD6C20DE010B2750 EU6C20B35 6LBCSMB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.4	3.9
10°-20°	200.5	11.0
20°-30°	301.6	16.6
30°-40°	357.5	19.6
40°-50°	355.8	19.5
50°-60°	286.8	15.8
60°-70°	173.5	9.5
70°-80°	64.4	3.5
80°-90°	9.5	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°	572.6	31.5
0°-40°	930.1	51.1
0°-60°	1572.7	86.4
0°-90°	1820.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1820.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	744	
5°	740	70
15°	710	201
25°	655	302
35°	572	358
45°	463	356
55°	320	287
65°	174	173
75°	58	64
85°	8	10
90°	0	



TEST NUMBER: P844131

CATALOG NUMBER: LD6C20DE010B2750 EU6C20B35 6LBCSMB

CANDELA DISTRIBUTION (FULL):

	0°
0°	743.5
2.5°	743.5
5°	740.1
7.5°	738.0
10°	731.2
12.5°	720.2
15°	710.4
17.5°	699.3
20°	686.1
22.5°	672.8
25°	655.2
27.5°	636.4
30°	615.4
32.5°	595.7
35°	572.5
37.5°	548.3
40°	519.6
42.5°	491.9
45°	463.3
47.5°	431.2
50°	396.1
52.5°	359.5
55°	319.9
57.5°	284.6
60°	244.8
62.5°	209.6
65°	174.2
67.5°	141.1
70°	110.3
72.5°	82.8
75°	58.5
77.5°	37.4
80°	22.0
82.5°	13.2
85°	7.6
87.5°	3.3
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)