

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: P844115

Luminaire Tested: **LD6C20DE010B2750 EU6C20B30 6LBCSMMS**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844115
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 EU6C20B30 6LBCSMMS
Description:
Light Source: -
Ballast/Driver:

Summary

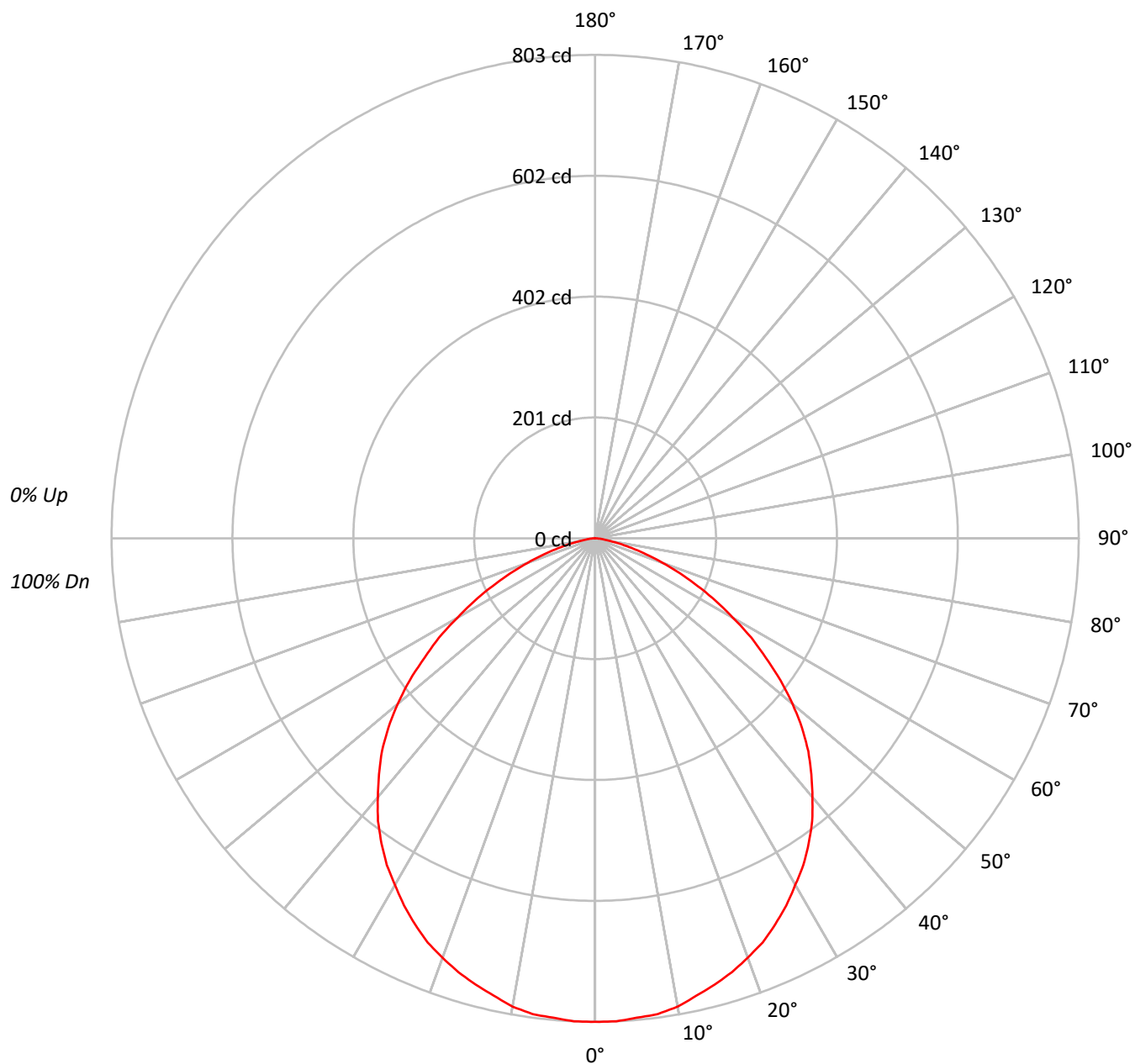
Lumens per Lamp: N/A
Luminaire Lumens: 1966.2 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					10
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	110	106	102	99		108	104	100	97		100	97	94		96	93	91		92	90	89
2	101	94	87	82		99	92	86	81		88	84	79		85	81	78		82	79	76
3	93	83	75	70		90	81	74	69		79	73	68		76	71	67		73	69	65
4	85	74	66	60		83	73	65	59		70	64	58		68	62	58		66	61	57
5	79	66	58	52		77	65	57	51		63	56	51		61	55	50		60	54	50
6	73	60	52	45		71	59	51	45		57	50	45		56	49	44		54	49	44
7	68	55	46	40		66	54	46	40		52	45	40		51	44	40		50	44	39
8	63	50	42	36		61	49	41	36		48	41	36		47	40	36		46	40	35
9	59	46	38	33		57	45	38	32		44	37	32		43	37	32		42	36	32
10	55	42	35	30		54	42	34	30		41	34	29		40	34	29		39	33	29

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	44032
5°	43996
10°	43970
15°	43553
20°	43240
25°	42807
30°	42076
35°	41392
40°	40168
45°	38802
50°	36485
55°	33022
60°	28989
65°	24412
70°	19106
75°	13386
80°	7514
85°	5158



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.1	3.9
10°-20°	216.6	11.0
20°-30°	325.8	16.6
30°-40°	386.2	19.6
40°-50°	384.3	19.5
50°-60°	309.8	15.8
60°-70°	187.4	9.5
70°-80°	69.6	3.5
80°-90°	10.3	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°	618.5	31.5
0°-40°	1004.8	51.1
0°-60°	1698.8	86.4
0°-90°	1966.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1966.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	803	
5°	800	76
15°	767	217
25°	708	326
35°	618	386
45°	500	384
55°	346	310
65°	188	187
75°	63	70
85°	8	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	803.2
2.5°	803.2
5°	799.5
7.5°	797.1
10°	789.9
12.5°	778.0
15°	767.4
17.5°	755.5
20°	741.2
22.5°	726.7
25°	707.7
27.5°	687.5
30°	664.7
32.5°	643.5
35°	618.5
37.5°	592.2
40°	561.3
42.5°	531.4
45°	500.5
47.5°	465.8
50°	427.8
52.5°	388.4
55°	345.5
57.5°	307.3
60°	264.4
62.5°	226.4
65°	188.2
67.5°	152.4
70°	119.2
72.5°	89.5
75°	63.2
77.5°	40.5
80°	23.8
82.5°	14.3
85°	8.2
87.5°	3.5
90°	0.0



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— 0°-180°







(END OF REPORT)