

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: P844121

Luminaire Tested: **LD6C20DE010B2750 EU6C20B30 6LBMGPH**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844121
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203577)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C20DE010B2750 EU6C20B30 6LBMGPH
Description:
Light Source: -
Ballast/Driver:

Summary

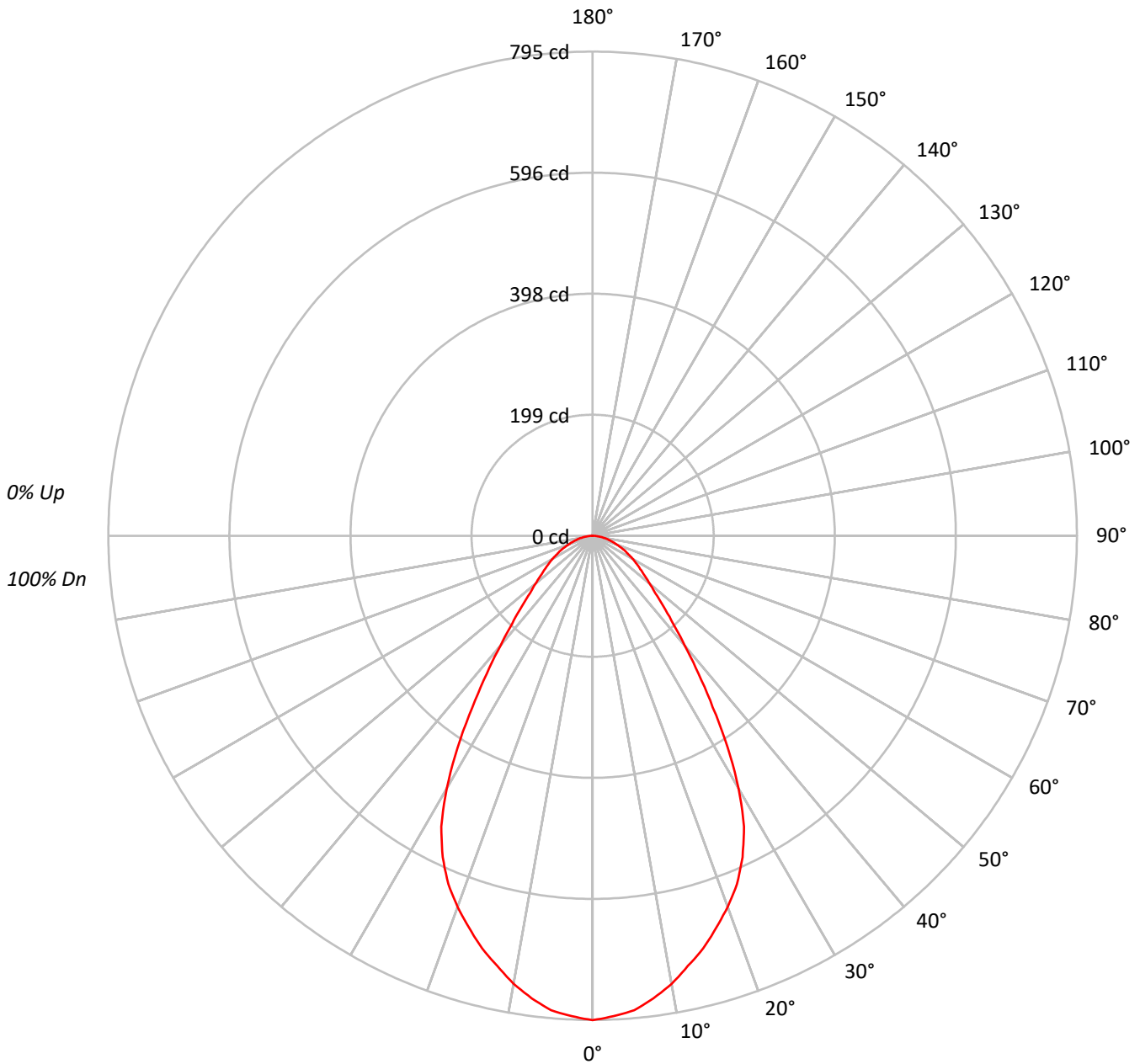
Lumens per Lamp: N/A
Luminaire Lumens: 1066.0 lumens
Efficiency: N/A
Efficacy: 48.9 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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			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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89			89
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			79
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71			71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64			64
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58			58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53			53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48			48
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			44
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41			41
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	43604
5°	43044
10°	41582
15°	39807
20°	37827
25°	35216
30°	30340
35°	23022
40°	16832
45°	12769
50°	10413
55°	9137
60°	8387
65°	7627
70°	6828
75°	6227
80°	5588
85°	4592



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.5	6.9
10°-20°	196.8	18.5
20°-30°	264.3	24.8
30°-40°	216.8	20.3
40°-50°	130.2	12.2
50°-60°	86.5	8.1
60°-70°	58.0	5.4
70°-80°	31.2	2.9
80°-90°	8.8	0.8
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°	534.6	50.1
0°-40°	751.3	70.5
0°-60°	968.0	90.8
0°-90°	1066.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1066.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	795	
5°	782	73
15°	701	197
25°	582	264
35°	344	217
45°	165	130
55°	96	87
65°	59	58
75°	29	31
85°	7	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	795.4
2.5°	789.6
5°	782.2
7.5°	766.0
10°	747.0
12.5°	723.4
15°	701.4
17.5°	674.9
20°	648.4
22.5°	619.0
25°	582.2
27.5°	538.1
30°	479.3
32.5°	413.1
35°	344.0
37.5°	285.2
40°	235.2
42.5°	195.6
45°	164.7
47.5°	139.7
50°	122.1
52.5°	107.3
55°	95.6
57.5°	85.2
60°	76.5
62.5°	66.2
65°	58.8
67.5°	50.0
70°	42.6
72.5°	35.3
75°	29.4
77.5°	23.5
80°	17.7
82.5°	13.2
85°	7.3
87.5°	3.0
90°	0.0



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— 0°-180°







(END OF REPORT)