

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: P844172

Luminaire Tested: **LD6C20DE010B2750 EU6C20B50 6LBMGPH**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844172
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 EU6C20B50 6LBMGPH
Description:
Light Source: -
Ballast/Driver:

Summary

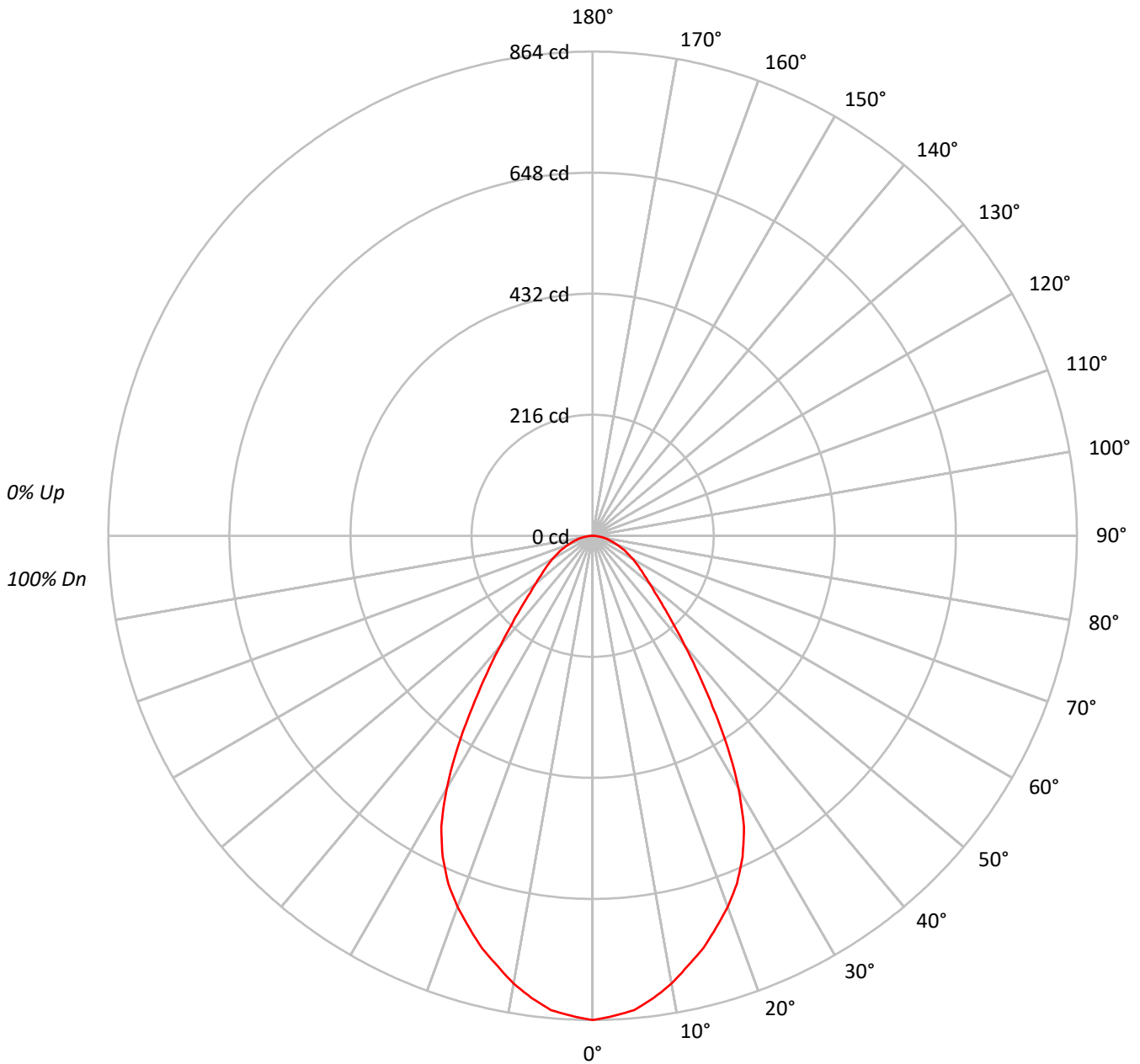
Lumens per Lamp: N/A
Luminaire Lumens: 1158.1 lumens
Efficiency: N/A
Efficacy: 53.1 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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			
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89			
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71			
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64			
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58			
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48			
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41			
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	47370
5°	46764
10°	45167
15°	43241
20°	41094
25°	38264
30°	32961
35°	25016
40°	18284
45°	13862
50°	11309
55°	9930
60°	9100
65°	8289
70°	7421
75°	6757
80°	6030
85°	4969



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.8	6.9
10°-20°	213.8	18.5
20°-30°	287.1	24.8
30°-40°	235.5	20.3
40°-50°	141.4	12.2
50°-60°	94.0	8.1
60°-70°	63.0	5.4
70°-80°	33.9	2.9
80°-90°	9.5	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°	580.7	50.1
0°-40°	816.3	70.5
0°-60°	1051.7	90.8
0°-90°	1158.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1158.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	864	
5°	850	80
15°	762	214
25°	633	287
35°	374	236
45°	179	141
55°	104	94
65°	64	63
75°	32	34
85°	8	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	864.1
2.5°	857.7
5°	849.8
7.5°	832.1
10°	811.4
12.5°	785.8
15°	761.9
17.5°	733.2
20°	704.4
22.5°	672.4
25°	632.6
27.5°	584.7
30°	520.7
32.5°	448.9
35°	373.8
37.5°	309.9
40°	255.5
42.5°	212.5
45°	178.8
47.5°	151.8
50°	132.6
52.5°	116.7
55°	103.9
57.5°	92.6
60°	83.0
62.5°	71.9
65°	63.9
67.5°	54.4
70°	46.3
72.5°	38.3
75°	31.9
77.5°	25.5
80°	19.1
82.5°	14.4
85°	7.9
87.5°	3.2
90°	0.0



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— 0°-180°







(END OF REPORT)