

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: P844154

Luminaire Tested: **LD6C20DE010B40 EU6C20B40 6LBMB**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844154
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: LD6C20DE010B40 EU6C20B40 6LBMB
Description:
Light Source: -
Ballast/Driver:

Summary

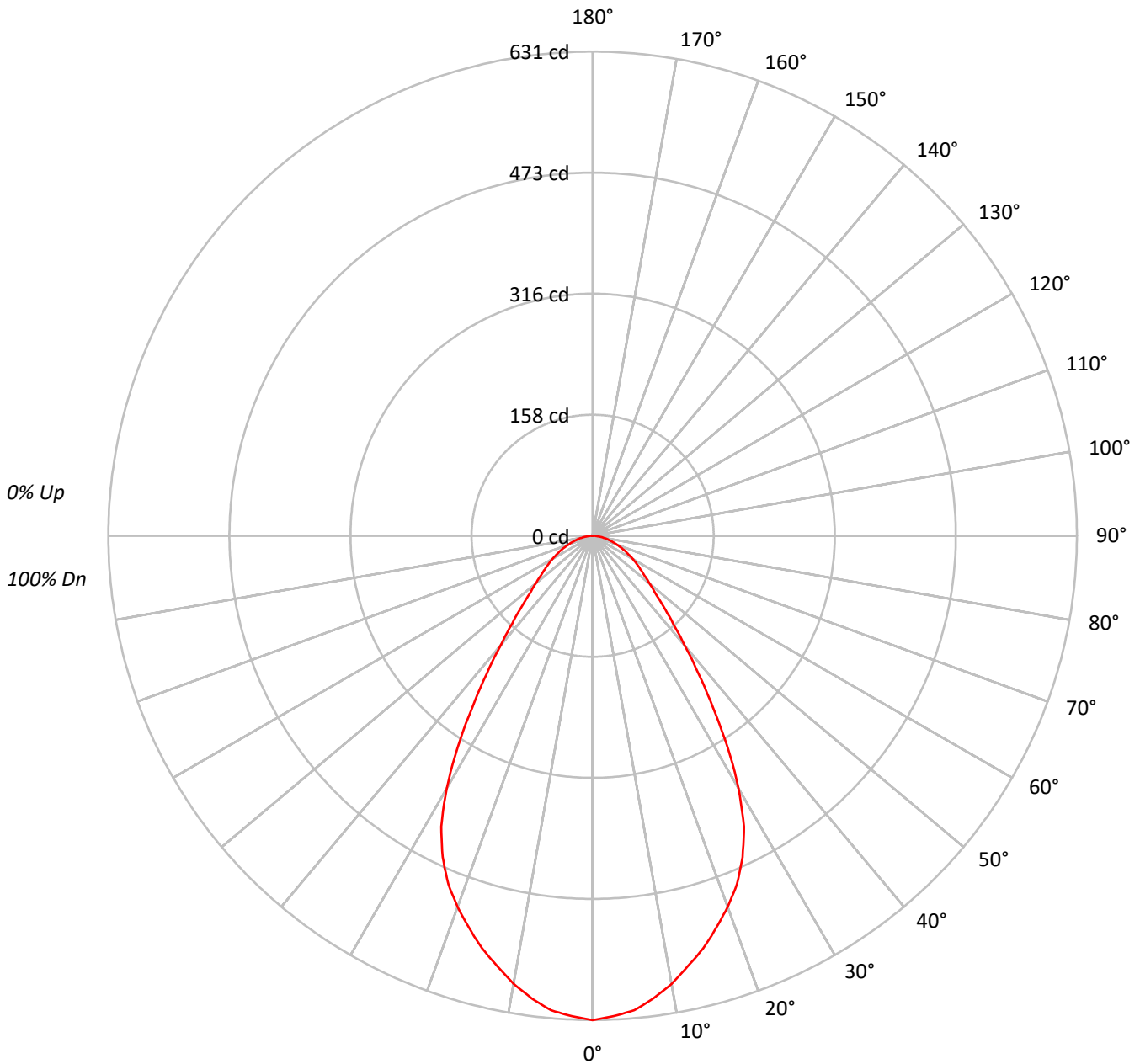
Lumens per Lamp: N/A
Luminaire Lumens: 846.1 lumens
Efficiency: N/A
Efficacy: 38.8 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	34608
5°	34162
10°	32999
15°	31589
20°	30021
25°	27951
30°	24080
35°	18277
40°	13361
45°	10133
50°	8264
55°	7245
60°	6655
65°	6045
70°	5418
75°	4956
80°	4451
85°	3648



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.3	6.9
10°-20°	156.2	18.5
20°-30°	209.7	24.8
30°-40°	172.1	20.3
40°-50°	103.3	12.2
50°-60°	68.7	8.1
60°-70°	46.0	5.4
70°-80°	24.8	2.9
80°-90°	7.0	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°	424.3	50.1
0°-40°	596.3	70.5
0°-60°	768.3	90.8
0°-90°	846.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	846.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	631	
5°	621	58
15°	557	156
25°	462	210
35°	273	172
45°	131	103
55°	76	69
65°	47	46
75°	23	25
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	631.3
2.5°	626.6
5°	620.8
7.5°	608.0
10°	592.8
12.5°	574.2
15°	556.6
17.5°	535.7
20°	514.6
22.5°	491.3
25°	462.1
27.5°	427.1
30°	380.4
32.5°	327.9
35°	273.1
37.5°	226.4
40°	186.7
42.5°	155.3
45°	130.7
47.5°	110.8
50°	96.9
52.5°	85.2
55°	75.8
57.5°	67.7
60°	60.7
62.5°	52.6
65°	46.6
67.5°	39.7
70°	33.8
72.5°	28.0
75°	23.4
77.5°	18.6
80°	14.1
82.5°	10.5
85°	5.8
87.5°	2.3
90°	0.0



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— 0°-180°







(END OF REPORT)