

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: P844163

Luminaire Tested: **LD6C20DE010B40 EU6C20B40 6LBWH**

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-08
Report Number: P844163
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P202739)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C20DE010B40 EU6C20B40 6LBWH
Description:
Light Source: -
Ballast/Driver:

Summary

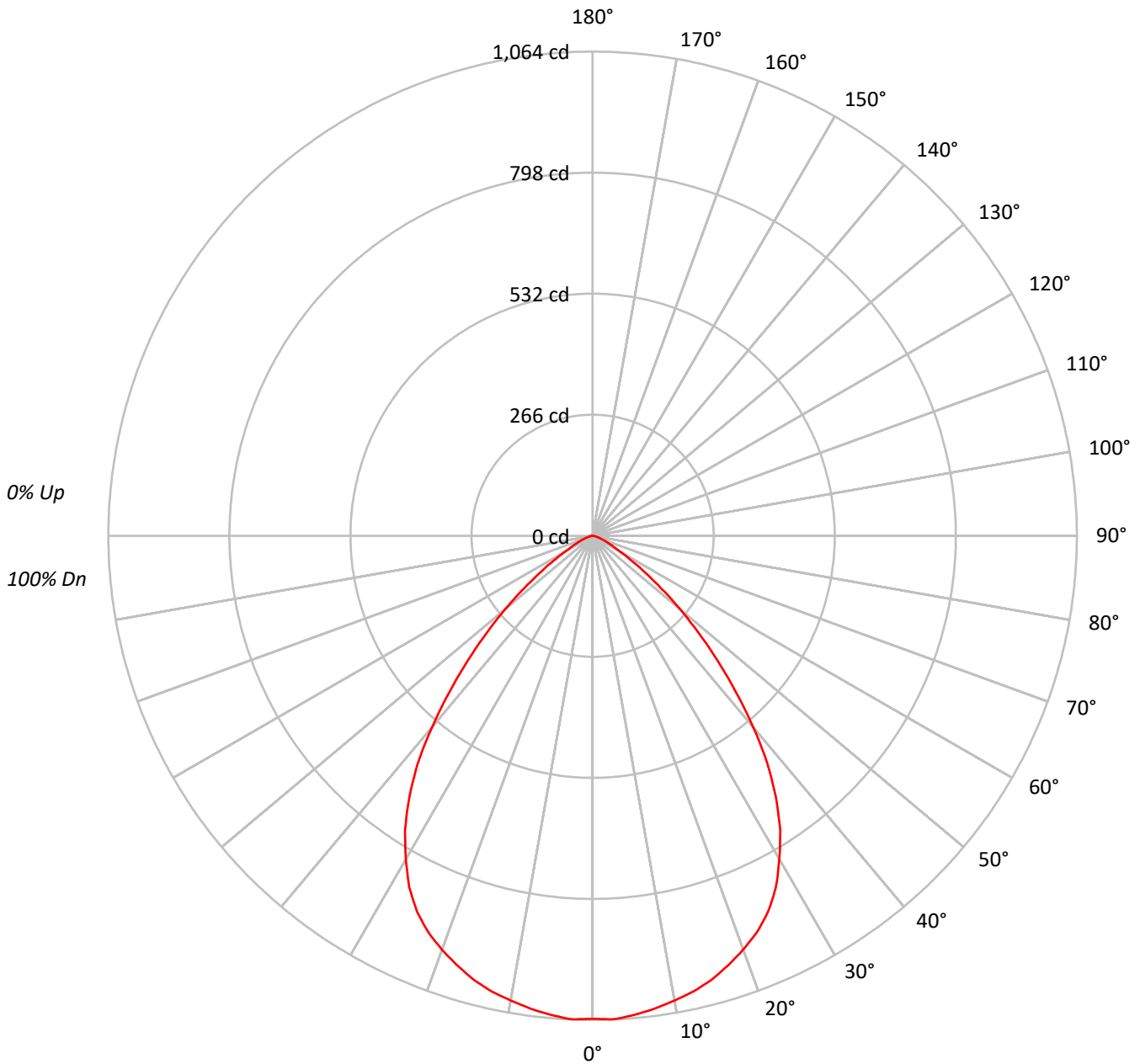
Lumens per Lamp: N/A
Luminaire Lumens: 1720.7 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91			
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81			
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73			
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65			
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59			
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53			
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49			
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	47	43	53	47	43	52	47	42	51	46	42	41			
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	58181
5°	58161
10°	57714
15°	57322
20°	56454
25°	55164
30°	51938
35°	47007
40°	39252
45°	30073
50°	21296
55°	13438
60°	7576
65°	4916
70°	3206
75°	2351
80°	1389
85°	1384



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.2	5.8
10°-20°	284.4	16.5
20°-30°	417.1	24.2
30°-40°	434.1	25.2
40°-50°	300.3	17.5
50°-60°	130.8	7.6
60°-70°	40.1	2.3
70°-80°	12.0	0.7
80°-90°	1.8	0.1
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°	801.7	46.6
0°-40°	1235.8	71.8
0°-60°	1666.8	96.9
0°-90°	1720.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1720.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1061	
5°	1057	100
15°	1010	284
25°	912	417
35°	702	434
45°	388	300
55°	141	131
65°	38	40
75°	11	12
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1061.3
2.5°	1063.6
5°	1056.9
7.5°	1048.0
10°	1036.8
12.5°	1025.6
15°	1010.0
17.5°	989.9
20°	967.7
22.5°	943.2
25°	912.0
27.5°	871.8
30°	820.5
32.5°	767.0
35°	702.4
37.5°	631.1
40°	548.5
42.5°	466.0
45°	387.9
47.5°	314.3
50°	249.7
52.5°	189.5
55°	140.6
57.5°	100.4
60°	69.1
62.5°	51.3
65°	37.9
67.5°	29.0
70°	20.0
72.5°	15.7
75°	11.1
77.5°	6.7
80°	4.4
82.5°	2.2
85°	2.2
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)