

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: P844160

Luminaire Tested: **LD6C20DE010B40 EU6C20B40 6LBNLI**

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-08
Report Number: P844160
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205310)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C20DE010B40 EU6C20B40 6LBNLI
Description:
Light Source: -
Ballast/Driver:

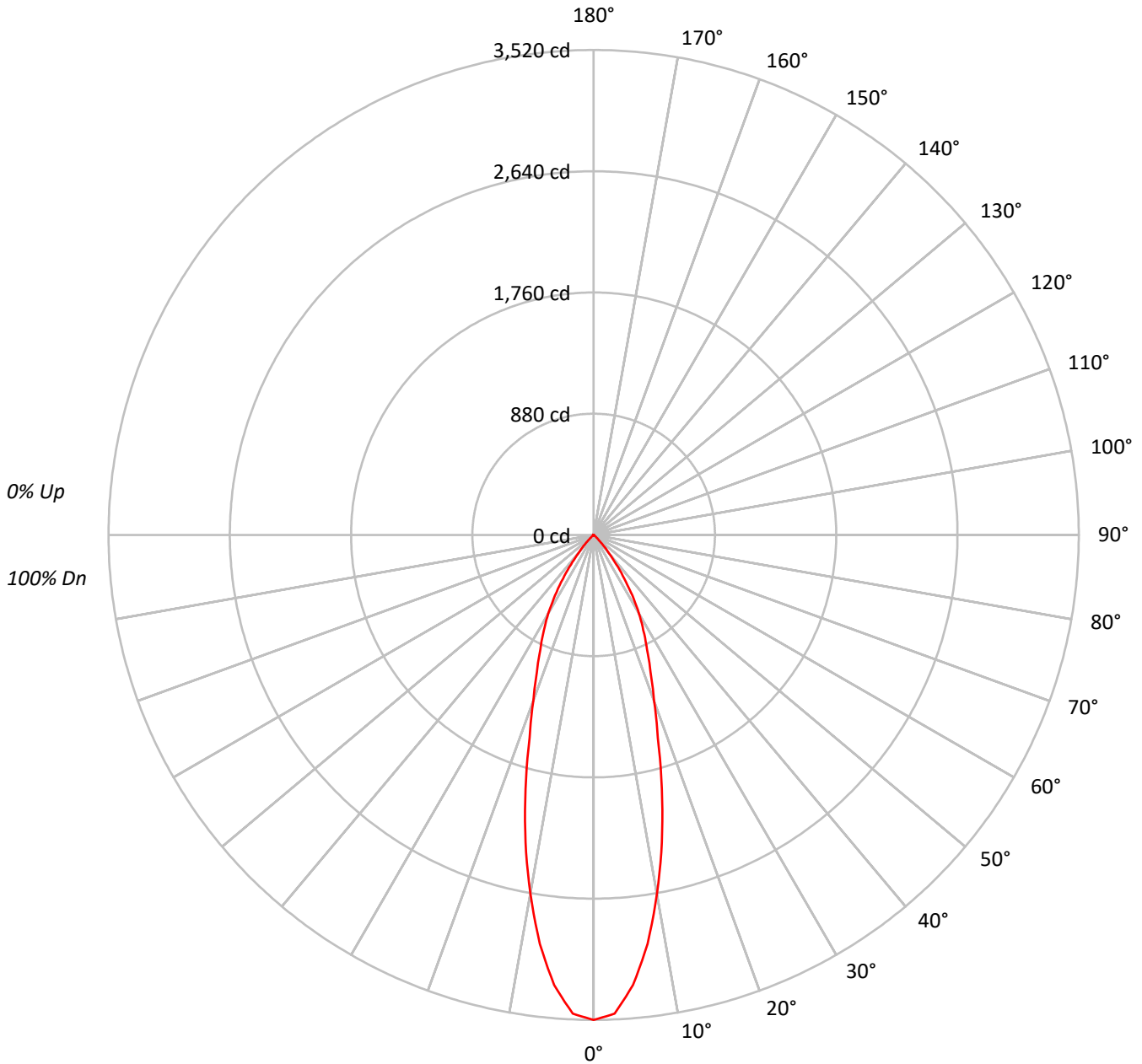
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1546.1 lumens
Efficiency: N/A
Efficacy: 70.9 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.58
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	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	96	95			
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89			
3	105	99	94	91	103	97	93	90	95	91	89	93	90	87	90	88	86	85			
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80			
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76			
6	92	84	79	75	90	83	78	75	82	77	74	80	76	74	79	76	73	72			
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	68			
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	73	69	66	65			
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62			
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	192989
5°	180480
10°	147197
15°	108315
20°	74656
25°	55425
30°	41633
35°	25959
40°	12602
45°	4318
50°	571
55°	421
60°	241
65°	285
70°	353
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.7	18.9
10°-20°	525.4	34.0
20°-30°	424.8	27.5
30°-40°	244.7	15.8
40°-50°	51.7	3.3
50°-60°	4.4	0.3
60°-70°	2.2	0.1
70°-80°	0.3	0.0
80°-90°	0.0	0.0
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°	1242.8	80.4
0°-40°	1487.5	96.2
0°-60°	1543.7	99.8
0°-90°	1546.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1546.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3520	
5°	3280	293
15°	1908	525
25°	916	425
35°	388	245
45°	56	52
55°	4	4
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3520.4
2.5°	3478.1
5°	3279.7
7.5°	2994.4
10°	2644.3
12.5°	2285.3
15°	1908.5
17.5°	1545.1
20°	1279.7
22.5°	1076.9
25°	916.3
27.5°	780.3
30°	657.7
32.5°	521.7
35°	387.9
37.5°	269.8
40°	176.1
42.5°	107.0
45°	55.7
47.5°	22.3
50°	6.7
52.5°	6.7
55°	4.4
57.5°	4.4
60°	2.2
62.5°	2.2
65°	2.2
67.5°	2.2
70°	2.2
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)