

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: P844158

Luminaire Tested: **LD6C20DE010B40 EU6C20B40 6LBMMW**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844158
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 6LBMMW
Description:
Light Source: -
Ballast/Driver:

Summary

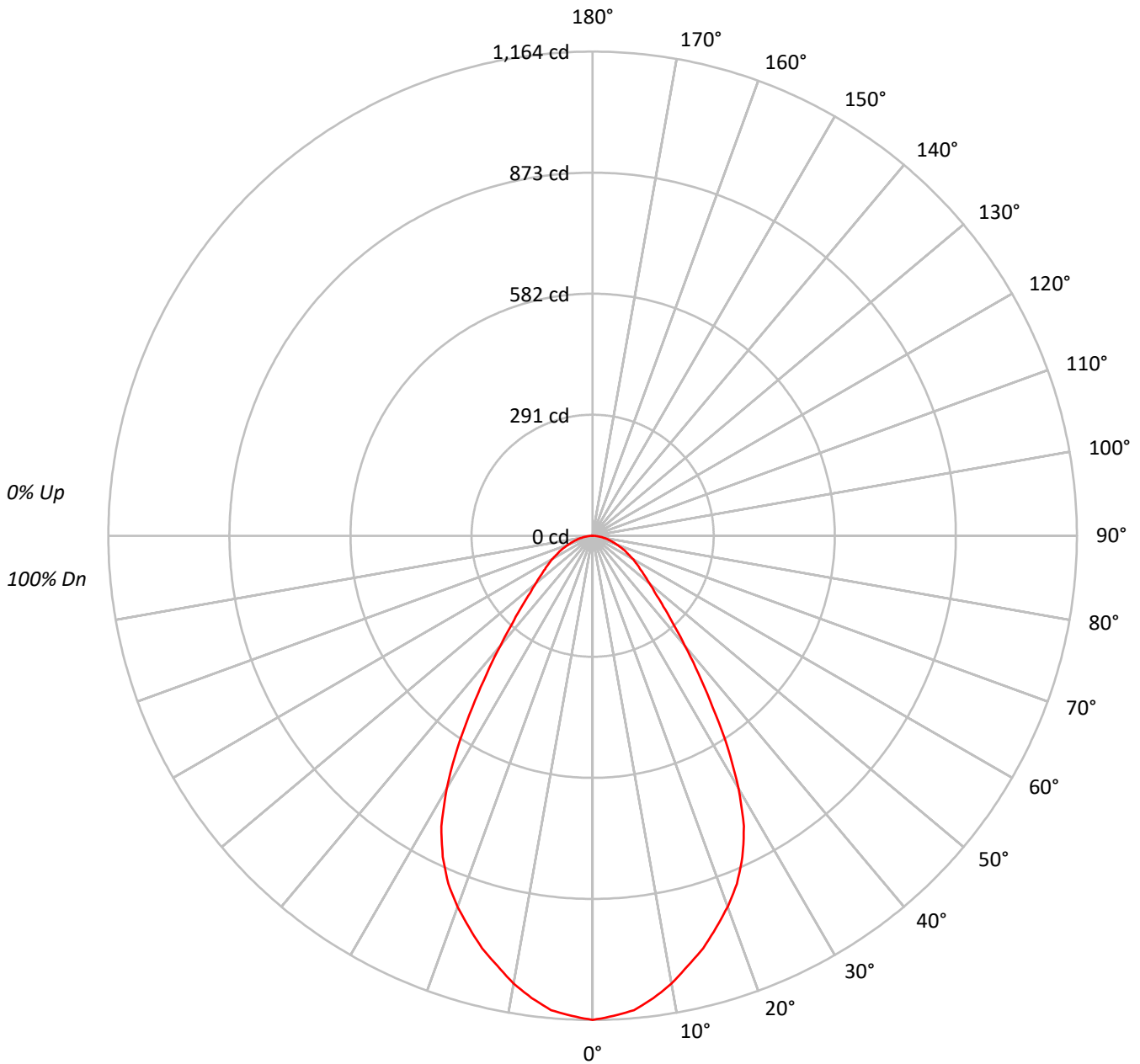
Lumens per Lamp: N/A
Luminaire Lumens: 1560.0 lumens
Efficiency: N/A
Efficacy: 71.6 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	63811
5°	62992
10°	60848
15°	58247
20°	55357
25°	51535
30°	44399
35°	33696
40°	24639
45°	18676
50°	15232
55°	13362
60°	12269
65°	11169
70°	10002
75°	9108
80°	8145
85°	6793



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.5	6.9
10°-20°	288.0	18.5
20°-30°	386.7	24.8
30°-40°	317.2	20.3
40°-50°	190.5	12.2
50°-60°	126.6	8.1
60°-70°	84.9	5.4
70°-80°	45.6	2.9
80°-90°	12.9	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°	782.3	50.1
0°-40°	1099.5	70.5
0°-60°	1416.6	90.8
0°-90°	1560.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1560.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1164	
5°	1145	108
15°	1026	288
25°	852	387
35°	504	317
45°	241	191
55°	140	127
65°	86	85
75°	43	46
85°	11	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1164.0
2.5°	1155.4
5°	1144.7
7.5°	1121.0
10°	1093.1
12.5°	1058.6
15°	1026.3
17.5°	987.6
20°	948.9
22.5°	905.9
25°	852.0
27.5°	787.5
30°	701.4
32.5°	604.5
35°	503.5
37.5°	417.4
40°	344.3
42.5°	286.2
45°	240.9
47.5°	204.4
50°	178.6
52.5°	157.1
55°	139.8
57.5°	124.8
60°	111.9
62.5°	96.9
65°	86.1
67.5°	73.2
70°	62.4
72.5°	51.6
75°	43.0
77.5°	34.4
80°	25.8
82.5°	19.4
85°	10.8
87.5°	4.3
90°	0.0



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— 0°-180°







(END OF REPORT)