

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: P843985

Luminaire Tested: **LD6C10DE010B40 EU6C10B40 6LBMGPH**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843985
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: LD6C10DE010B40 EU6C10B40 6LBMGPH
Description:
Light Source: -
Ballast/Driver:

Summary

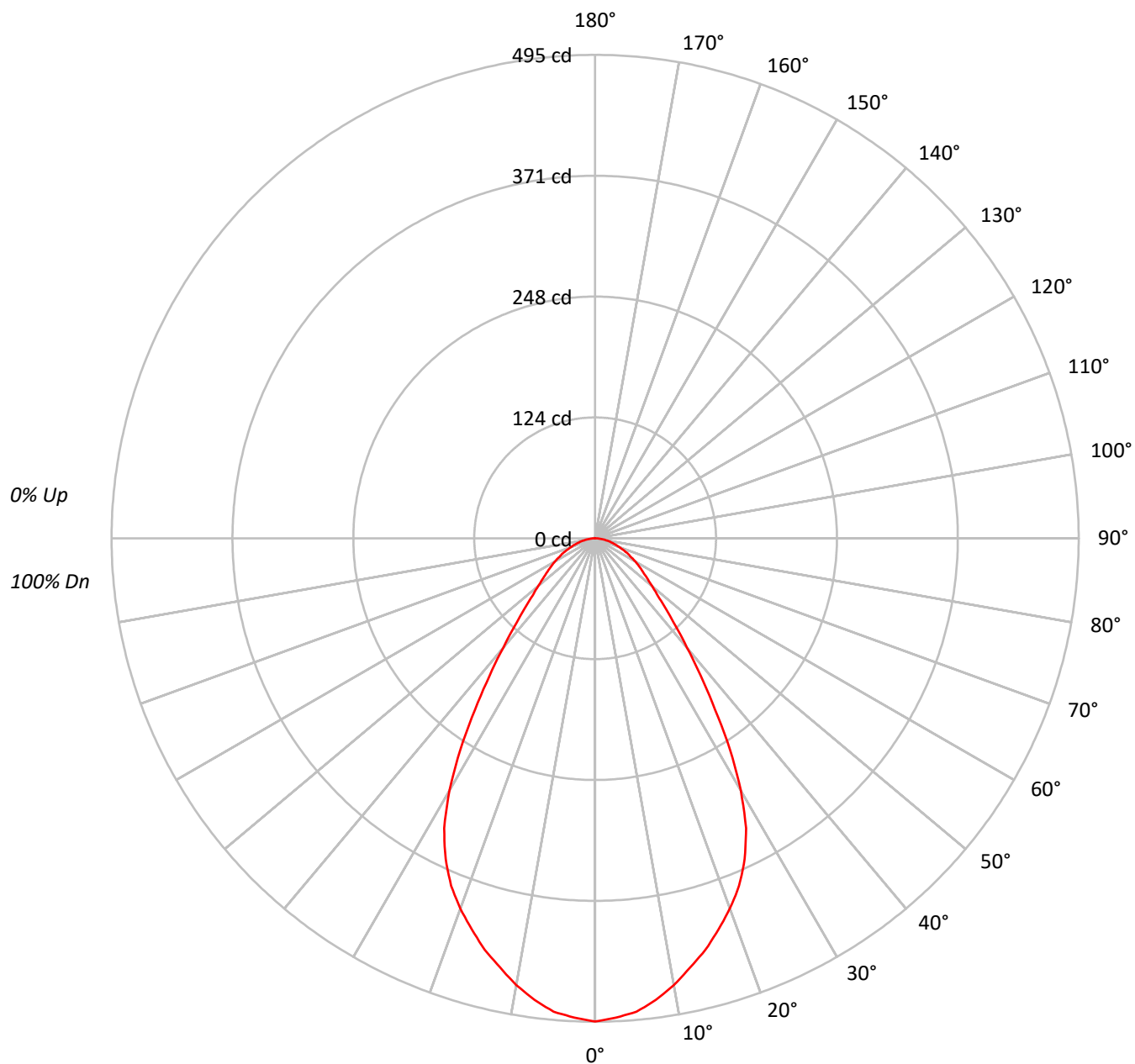
Lumens per Lamp: N/A
Luminaire Lumens: 663.1 lumens
Efficiency: N/A
Efficacy: 49.9 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 13.3
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
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	108	104	101		109	105	103	100		101	99	97		98	96	94		94	92	91
2	104	97	92	88		101	96	91	87		92	88	85		89	86	83		86	83	81
3	97	88	82	77		95	87	81	76		84	79	75		82	77	74		79	76	73
4	90	81	74	68		88	80	73	68		77	72	67		75	70	66		73	69	65
5	85	74	67	61		83	73	66	61		71	65	61		69	64	60		68	63	59
6	79	68	61	56		78	68	61	56		66	60	55		64	59	55		63	58	54
7	75	63	56	51		73	63	56	51		61	55	50		60	54	50		59	54	50
8	70	59	52	47		69	58	51	47		57	51	46		56	50	46		55	50	46
9	66	55	48	43		65	54	48	43		53	47	43		52	47	43		51	46	43
10	63	51	45	40		62	51	44	40		50	44	40		49	44	40		48	43	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	27125
5°	26777
10°	25862
15°	24762
20°	23534
25°	21909
30°	18870
35°	14328
40°	10477
45°	7947
50°	6473
55°	5677
60°	5219
65°	4748
70°	4248
75°	3876
80°	3473
85°	2830



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.7	6.9
10°-20°	122.4	18.5
20°-30°	164.4	24.8
30°-40°	134.9	20.3
40°-50°	81.0	12.2
50°-60°	53.8	8.1
60°-70°	36.1	5.4
70°-80°	19.4	2.9
80°-90°	5.4	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°	332.5	50.1
0°-40°	467.4	70.5
0°-60°	602.2	90.8
0°-90°	663.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	663.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	495	
5°	487	46
15°	436	122
25°	362	164
35°	214	135
45°	102	81
55°	59	54
65°	37	36
75°	18	19
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	494.8
2.5°	491.2
5°	486.6
7.5°	476.6
10°	464.6
12.5°	450.0
15°	436.3
17.5°	419.8
20°	403.4
22.5°	385.1
25°	362.2
27.5°	334.7
30°	298.1
32.5°	257.0
35°	214.1
37.5°	177.5
40°	146.4
42.5°	121.6
45°	102.5
47.5°	86.9
50°	75.9
52.5°	66.7
55°	59.4
57.5°	53.1
60°	47.6
62.5°	41.1
65°	36.6
67.5°	31.1
70°	26.5
72.5°	22.0
75°	18.3
77.5°	14.6
80°	11.0
82.5°	8.2
85°	4.5
87.5°	1.8
90°	0.0



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— 0°-180°







(END OF REPORT)