

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: P843990

Luminaire Tested: **LD6C10DE010B40 EU6C10B40 6LBNLI**

Issue Date: 2/17/2023



Test Information

Test Method: LM-79-08
Report Number: P843990
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: LD6C10DE010B40 EU6C10B40 6LBNLI
Description:
Light Source: -
Ballast/Driver:

Summary

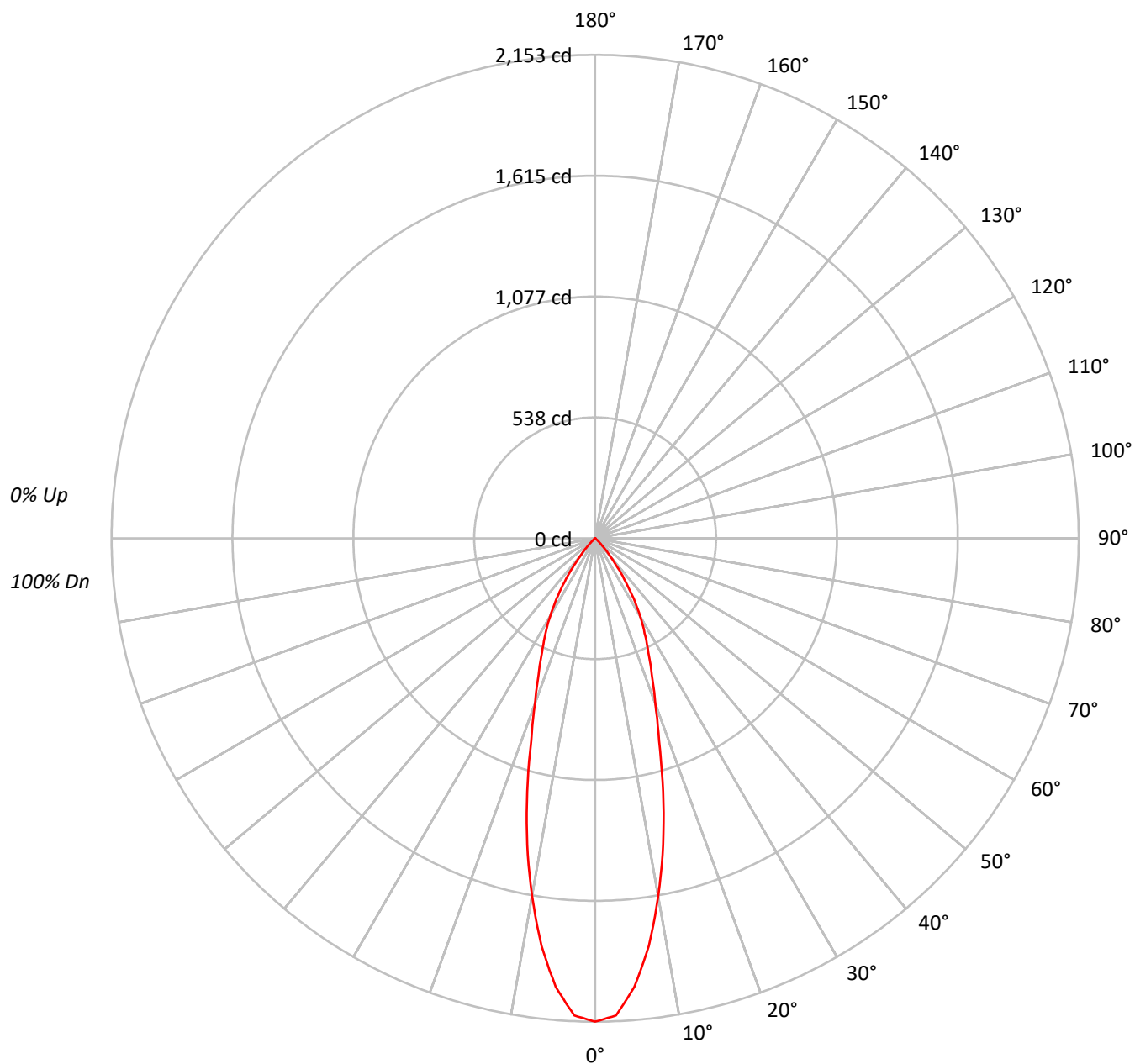
Lumens per Lamp: N/A
Luminaire Lumens: 945.5 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.58
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	114	112	109	107	112	109	107	106		105	104	102			102	101	99			98
2	109	105	101	98	107	103	100	97		100	97	95			97	95	93			94
3	105	99	94	91	103	97	93	90		95	91	89			93	90	87			90
4	100	93	88	85	98	92	88	84		90	86	83			88	85	82			86
5	96	88	83	79	94	87	83	79		86	82	78			84	81	78			83
6	92	84	79	75	90	83	78	75		82	77	74			80	76	74			79
7	88	80	74	71	87	79	74	71		78	73	70			77	73	70			76
8	84	76	71	67	83	75	70	67		74	70	67			73	69	66			73
9	81	73	67	64	80	72	67	64		71	67	63			70	66	63			70
10	78	69	64	61	77	69	64	61		68	64	61			67	63	60			67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	118011
5°	110362
10°	90006
15°	66238
20°	45650
25°	33891
30°	25460
35°	15874
40°	7707
45°	2644
50°	341
55°	258
60°	153
65°	182
70°	224
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.0	18.9
10°-20°	321.3	34.0
20°-30°	259.7	27.5
30°-40°	149.6	15.8
40°-50°	31.6	3.3
50°-60°	2.7	0.3
60°-70°	1.4	0.1
70°-80°	0.2	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°	760.0	80.4
0°-40°	909.6	96.2
0°-60°	944.0	99.8
0°-90°	945.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	945.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2153	
5°	2006	179
15°	1167	321
25°	560	260
35°	237	150
45°	34	32
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2152.7
2.5°	2126.9
5°	2005.5
7.5°	1831.0
10°	1616.9
12.5°	1397.5
15°	1167.1
17.5°	944.8
20°	782.5
22.5°	658.5
25°	560.3
27.5°	477.2
30°	402.2
32.5°	319.1
35°	237.2
37.5°	165.0
40°	107.7
42.5°	65.5
45°	34.1
47.5°	13.6
50°	4.0
52.5°	4.0
55°	2.7
57.5°	2.7
60°	1.4
62.5°	1.4
65°	1.4
67.5°	1.4
70°	1.4
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)