

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P203528

Luminaire Tested: **LE_6B10D010 EC6B10209050 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203528
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B10D010 EC6B10209050 6LBMMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH MATTE WHITE TRIM
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W
DL3-11.1 W DLE-11.39 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 928.4 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

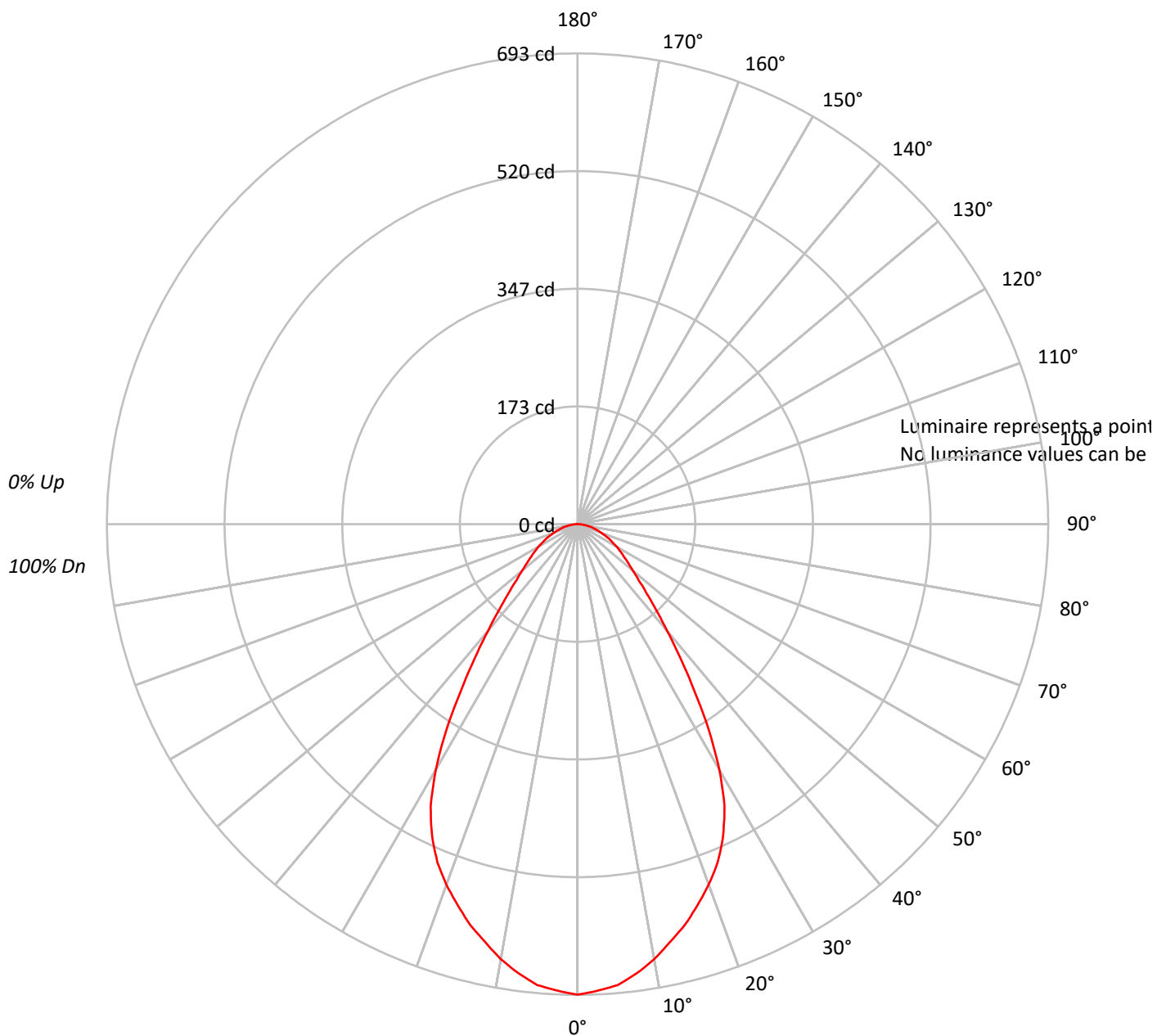
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10		70	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			100
1	111	108	104	101		109	105	103	100		101	99	97			98	96	94			89
2	104	97	92	88		101	96	91	87		92	88	85			89	86	83			79
3	97	88	82	77		95	87	81	76		84	79	75			82	77	74			71
4	90	81	74	68		88	80	73	68		77	72	67			75	70	66			64
5	85	74	67	61		83	73	66	61		71	65	61			69	64	60			58
6	79	68	61	56		78	68	61	56		66	60	55			64	59	55			53
7	75	63	56	51		73	63	56	51		61	55	50			60	54	50			48
8	70	59	52	47		69	58	51	47		57	51	46			56	50	46			44
9	66	55	48	43		65	54	48	43		53	47	43			52	47	43			41
10	63	51	45	40		62	51	44	40		50	44	40			49	44	40			38

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.0	6.9
10°-20°	171.4	18.5
20°-30°	230.2	24.8
30°-40°	188.8	20.3
40°-50°	113.3	12.2
50°-60°	75.3	8.1
60°-70°	50.5	5.4
70°-80°	27.2	2.9
80°-90°	7.6	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°	465.6	50.2
0°-40°	654.4	70.5
0°-60°	843.0	90.8
0°-90°	928.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	928.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	693	
5°	681	64
15°	611	171
25°	507	230
35°	300	189
45°	143	113
55°	83	75
65°	51	50
75°	26	27
85°	6	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	692.8
2.5°	687.6
5°	681.2
7.5°	667.1
10°	650.5
12.5°	630.0
15°	610.9
17.5°	587.8
20°	564.8
22.5°	539.1
25°	507.1
27.5°	468.6
30°	417.5
32.5°	359.9
35°	299.6
37.5°	248.4
40°	204.9
42.5°	170.2
45°	143.4
47.5°	121.6
50°	106.2
52.5°	93.5
55°	83.2
57.5°	74.2
60°	66.6
62.5°	57.6
65°	51.2
67.5°	43.5
70°	37.1
72.5°	30.8
75°	25.6
77.5°	20.5
80°	15.4
82.5°	11.5
85°	6.4
87.5°	2.5
90°	0.0



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— 0°-180°







(END OF REPORT)