

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: P203535

Luminaire Tested: **LE_6B15D010 EC6B10208050 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203535
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_6B15D010 EC6B10208050 6LBMMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH MATTE WHITE TRIM
WATTAGE D010TR-14.39 W DE010-14.29 W D5LT-14.34 W DMX-14.46 W DL2-15.8 W
DL3-15.28 W DLE-15.432 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1521.8 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

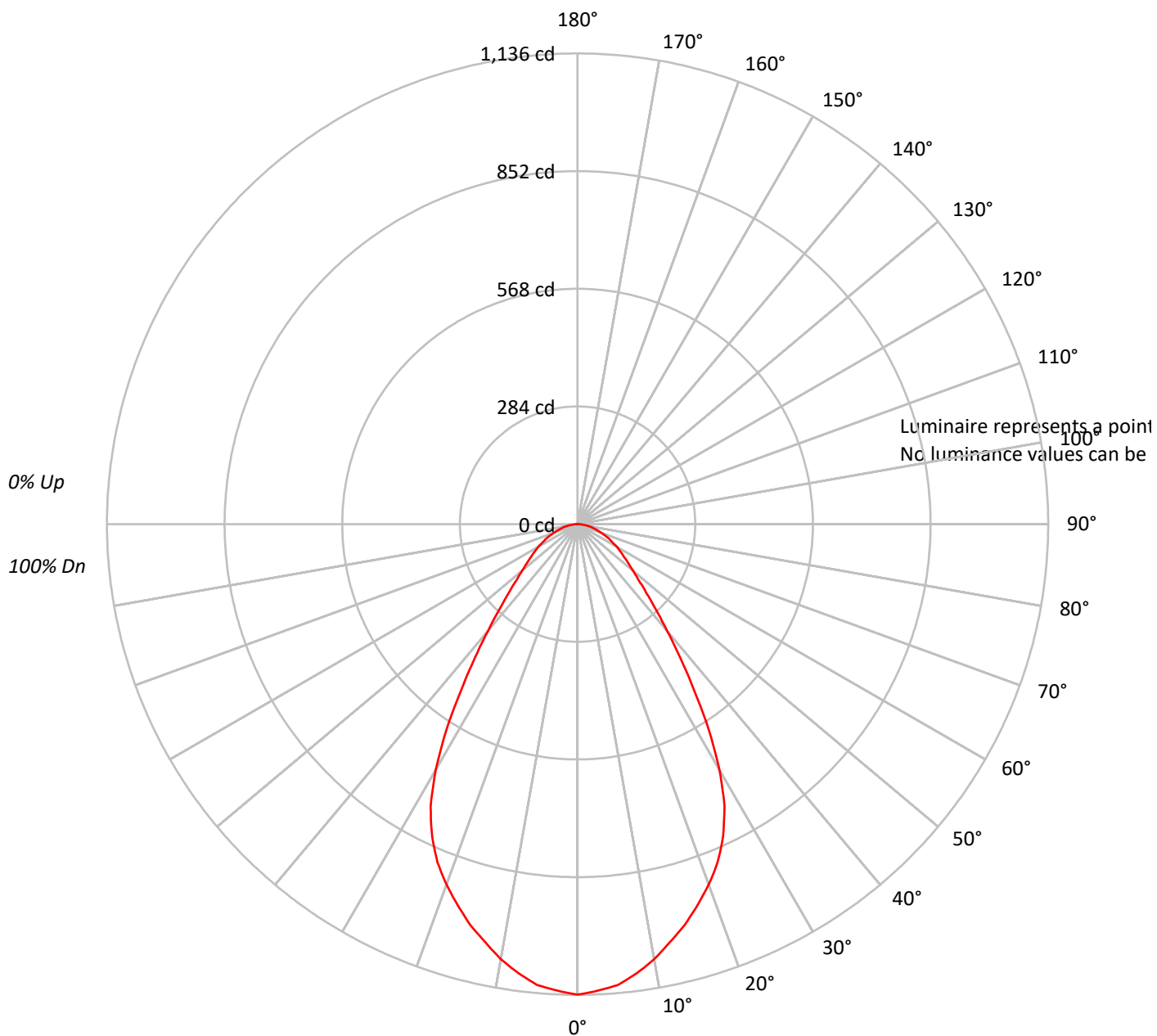
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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°	104.9	6.9
10°-20°	281.0	18.5
20°-30°	377.2	24.8
30°-40°	309.5	20.3
40°-50°	185.8	12.2
50°-60°	123.5	8.1
60°-70°	82.8	5.4
70°-80°	44.6	2.9
80°-90°	12.6	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°	763.1	50.1
0°-40°	1072.5	70.5
0°-60°	1381.9	90.8
0°-90°	1521.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1521.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1136	
5°	1117	105
15°	1001	281
25°	831	377
35°	491	309
45°	235	186
55°	136	123
65°	84	83
75°	42	45
85°	10	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1135.5
2.5°	1127.1
5°	1116.6
7.5°	1093.5
10°	1066.2
12.5°	1032.6
15°	1001.1
17.5°	963.4
20°	925.6
22.5°	883.6
25°	831.1
27.5°	768.2
30°	684.2
32.5°	589.8
35°	491.1
37.5°	407.2
40°	335.9
42.5°	279.1
45°	235.1
47.5°	199.4
50°	174.2
52.5°	153.2
55°	136.4
57.5°	121.8
60°	109.1
62.5°	94.5
65°	84.0
67.5°	71.4
70°	60.9
72.5°	50.4
75°	42.0
77.5°	33.6
80°	25.1
82.5°	18.9
85°	10.5
87.5°	4.2
90°	0.0



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— 0°-180°







(END OF REPORT)