

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: P203121

Luminaire Tested: **LE_6B15D010 EC6B10208035 6LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203121
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 EC6B10208035 6LBWMW1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE 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: 1775.6 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

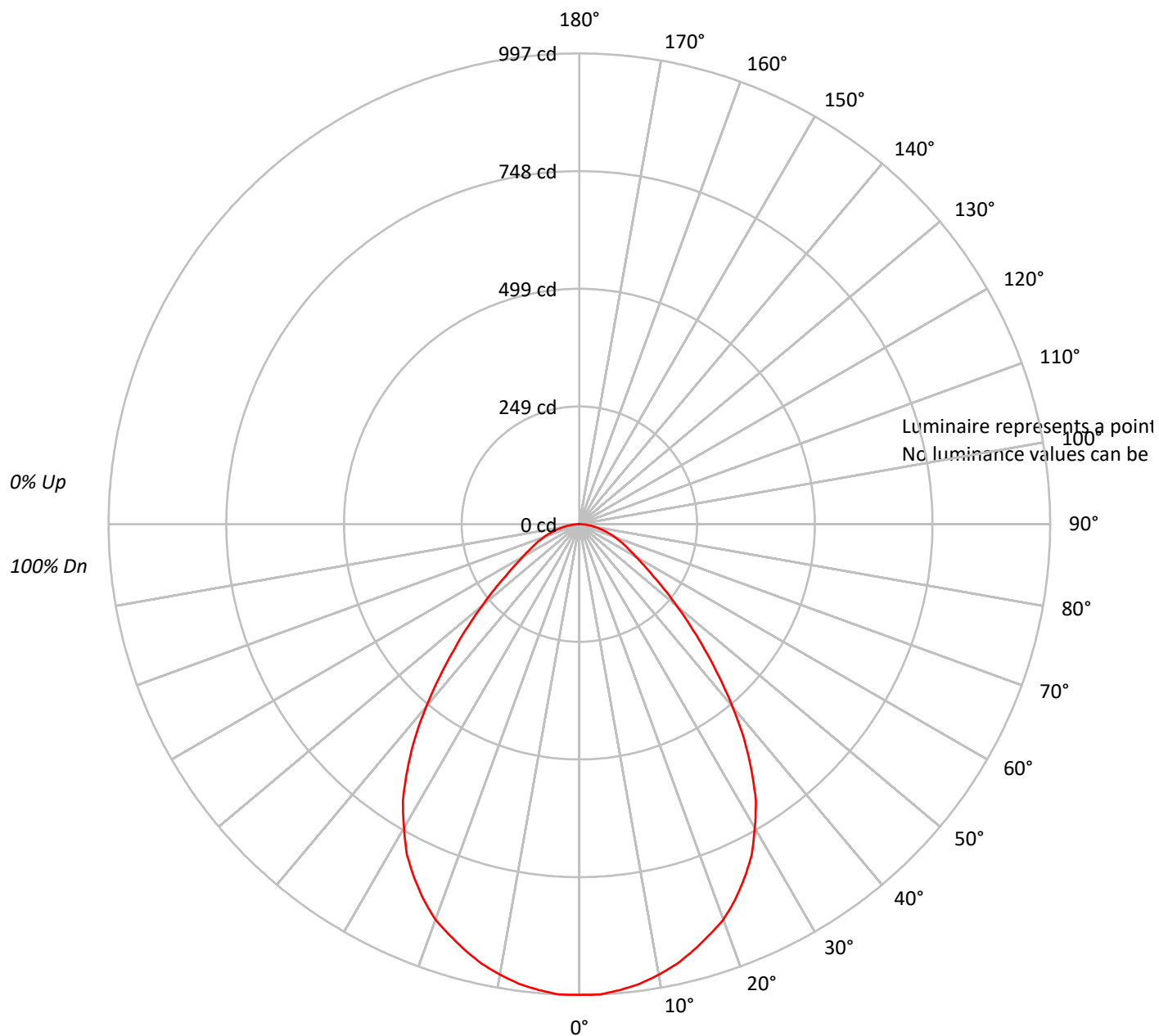
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				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	111	107	104	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85
3	95	86	80	74	93	85	79	74	82	77	72		80	75	71		77
4	89	78	71	65	86	77	70	65	75	69	64		72	67	63		70
5	82	71	64	58	80	70	63	58	68	62	57		66	61	56		65
6	77	65	57	52	75	64	57	52	63	56	51		61	55	51		60
7	72	60	52	47	70	59	52	47	58	51	46		56	50	46		55
8	67	55	48	42	66	55	47	42	53	47	42		52	46	42		51
9	63	51	44	39	62	51	44	39	50	43	39		49	43	38		48
10	60	48	40	36	58	47	40	36	46	40	36		45	40	35		45

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.9	5.3
10°-20°	263.3	14.8
20°-30°	379.4	21.4
30°-40°	393.9	22.2
40°-50°	291.3	16.4
50°-60°	174.0	9.8
60°-70°	105.7	6.0
70°-80°	57.9	3.3
80°-90°	16.1	0.9
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°	736.7	41.5
0°-40°	1130.6	63.7
0°-60°	1595.9	89.9
0°-90°	1775.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1775.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	997	
5°	991	94
15°	935	263
25°	827	379
35°	635	394
45°	375	291
55°	190	174
65°	106	106
75°	54	58
85°	13	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	997.1
2.5°	997.1
5°	990.6
7.5°	982.0
10°	969.1
12.5°	954.0
15°	934.6
17.5°	913.1
20°	891.6
22.5°	861.4
25°	827.0
27.5°	790.4
30°	743.0
32.5°	695.6
35°	635.2
37.5°	572.9
40°	504.0
42.5°	437.1
45°	374.8
47.5°	318.8
50°	269.2
52.5°	226.1
55°	189.5
57.5°	161.5
60°	137.9
62.5°	120.6
65°	105.5
67.5°	92.6
70°	79.6
72.5°	66.8
75°	53.9
77.5°	43.1
80°	32.2
82.5°	23.8
85°	12.9
87.5°	6.5
90°	0.0



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— 0°-180°







(END OF REPORT)