

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: P203541

Luminaire Tested: **LE_6B15D010 EC6B10209050 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203541
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 EC6B10209050 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: 1280.5 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

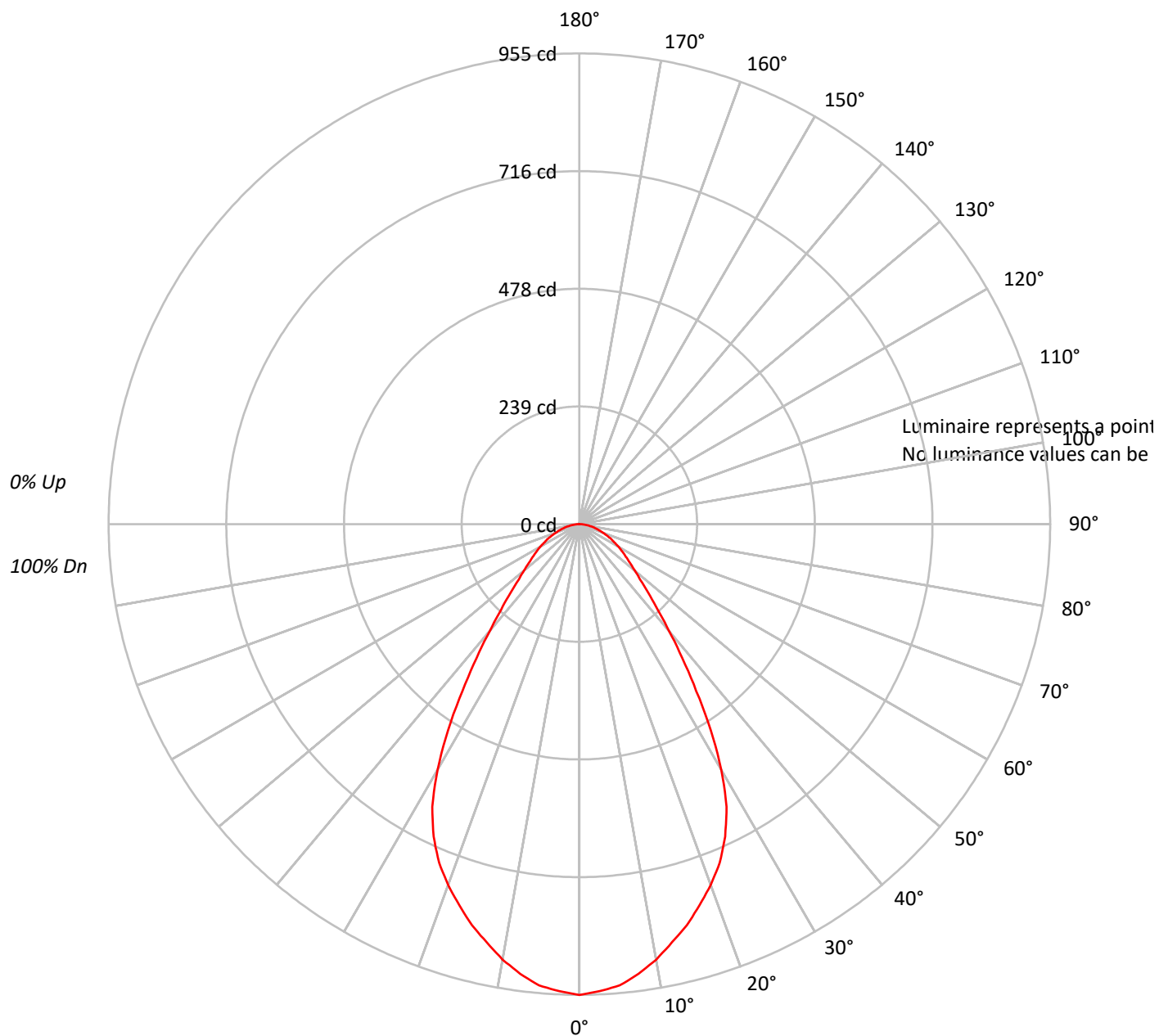
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				10				0			
RW	70	50	30	10	70	50	30	10	50	30	10	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	102	102	102	100						
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89						
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79						
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71						
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64						
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58						
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53						
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48						
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44						
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41						
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38						

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.3	6.9
10°-20°	236.4	18.5
20°-30°	317.4	24.8
30°-40°	260.4	20.3
40°-50°	156.4	12.2
50°-60°	103.9	8.1
60°-70°	69.6	5.4
70°-80°	37.5	2.9
80°-90°	10.6	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°	642.1	50.1
0°-40°	902.5	70.5
0°-60°	1162.8	90.8
0°-90°	1280.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1280.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	955	
5°	940	88
15°	842	236
25°	699	317
35°	413	260
45°	198	156
55°	115	104
65°	71	70
75°	35	37
85°	9	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	955.4
2.5°	948.4
5°	939.5
7.5°	920.1
10°	897.1
12.5°	868.9
15°	842.4
17.5°	810.6
20°	778.9
22.5°	743.5
25°	699.4
27.5°	646.4
30°	575.8
32.5°	496.2
35°	413.2
37.5°	342.6
40°	282.6
42.5°	234.9
45°	197.8
47.5°	167.8
50°	146.6
52.5°	128.9
55°	114.8
57.5°	102.4
60°	91.9
62.5°	79.5
65°	70.6
67.5°	60.0
70°	51.2
72.5°	42.4
75°	35.4
77.5°	28.2
80°	21.2
82.5°	15.9
85°	8.9
87.5°	3.5
90°	0.0



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— 0°-180°







(END OF REPORT)