

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: P203335

Luminaire Tested: **LE_6B15D010 EC6B10209050 6LBMWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203335
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 6LBMWH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH WHEAT 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: 1260.4 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

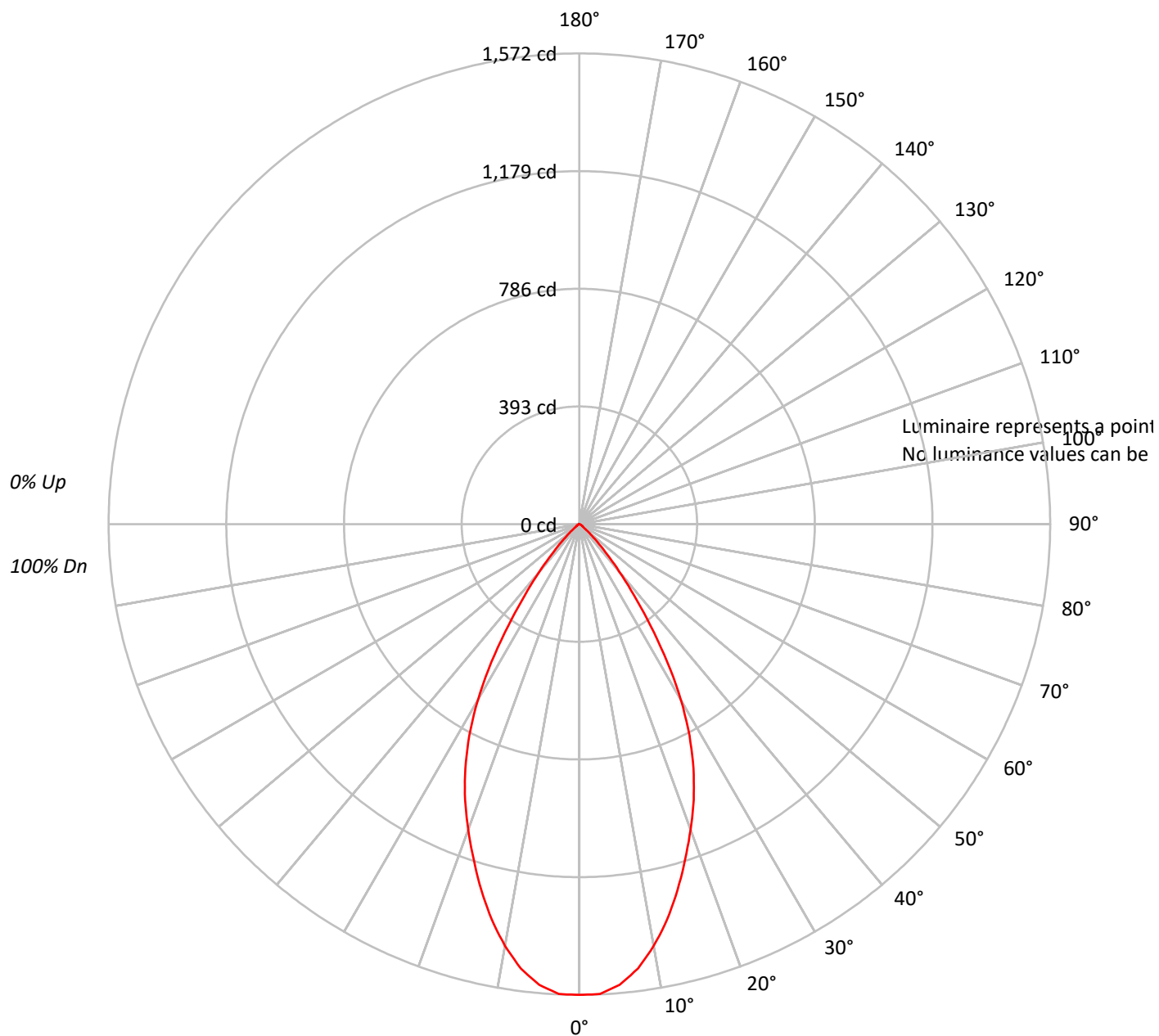
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	108	106	111	109	106	104	105	103	101		101	100	98		97
2	108	103	99	96	106	101	98	95	98	95	93		95	93	91		92
3	103	96	91	87	101	95	90	87	92	88	85		90	87	84		88
4	97	90	85	80	96	89	84	80	87	82	79		85	81	78		83
5	93	84	79	74	91	83	78	74	82	77	73		80	76	73		78
6	88	79	73	69	87	78	73	69	77	72	68		76	71	68		74
7	84	75	69	64	82	74	68	64	73	68	64		71	67	64		70
8	80	70	64	60	78	70	64	60	69	64	60		68	63	60		67
9	76	66	61	57	75	66	60	57	65	60	56		64	59	56		63
10	72	63	57	53	71	62	57	53	62	57	53		61	56	53		60

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.7	11.4
10°-20°	352.9	28.0
20°-30°	408.3	32.4
30°-40°	261.0	20.7
40°-50°	74.0	5.9
50°-60°	13.2	1.0
60°-70°	5.4	0.4
70°-80°	1.9	0.1
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°	904.9	71.8
0°-40°	1165.9	92.5
0°-60°	1253.1	99.4
0°-90°	1260.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1260.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1572	
5°	1544	144
15°	1266	353
25°	901	408
35°	412	261
45°	86	74
55°	12	13
65°	5	5
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1572.2
2.5°	1570.5
5°	1544.2
7.5°	1496.9
10°	1430.4
12.5°	1353.2
15°	1265.5
17.5°	1174.4
20°	1085.0
22.5°	997.4
25°	901.0
27.5°	795.8
30°	678.4
32.5°	546.9
35°	411.9
37.5°	298.0
40°	206.9
42.5°	136.8
45°	85.9
47.5°	50.9
50°	29.8
52.5°	17.5
55°	12.2
57.5°	10.5
60°	8.8
62.5°	7.0
65°	5.2
67.5°	3.5
70°	3.5
72.5°	1.8
75°	1.8
77.5°	1.8
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)