

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: P203523

Luminaire Tested: **LE_6B10D010 EC6B10208050 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203523
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 EC6B10208050 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: 1103.9 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

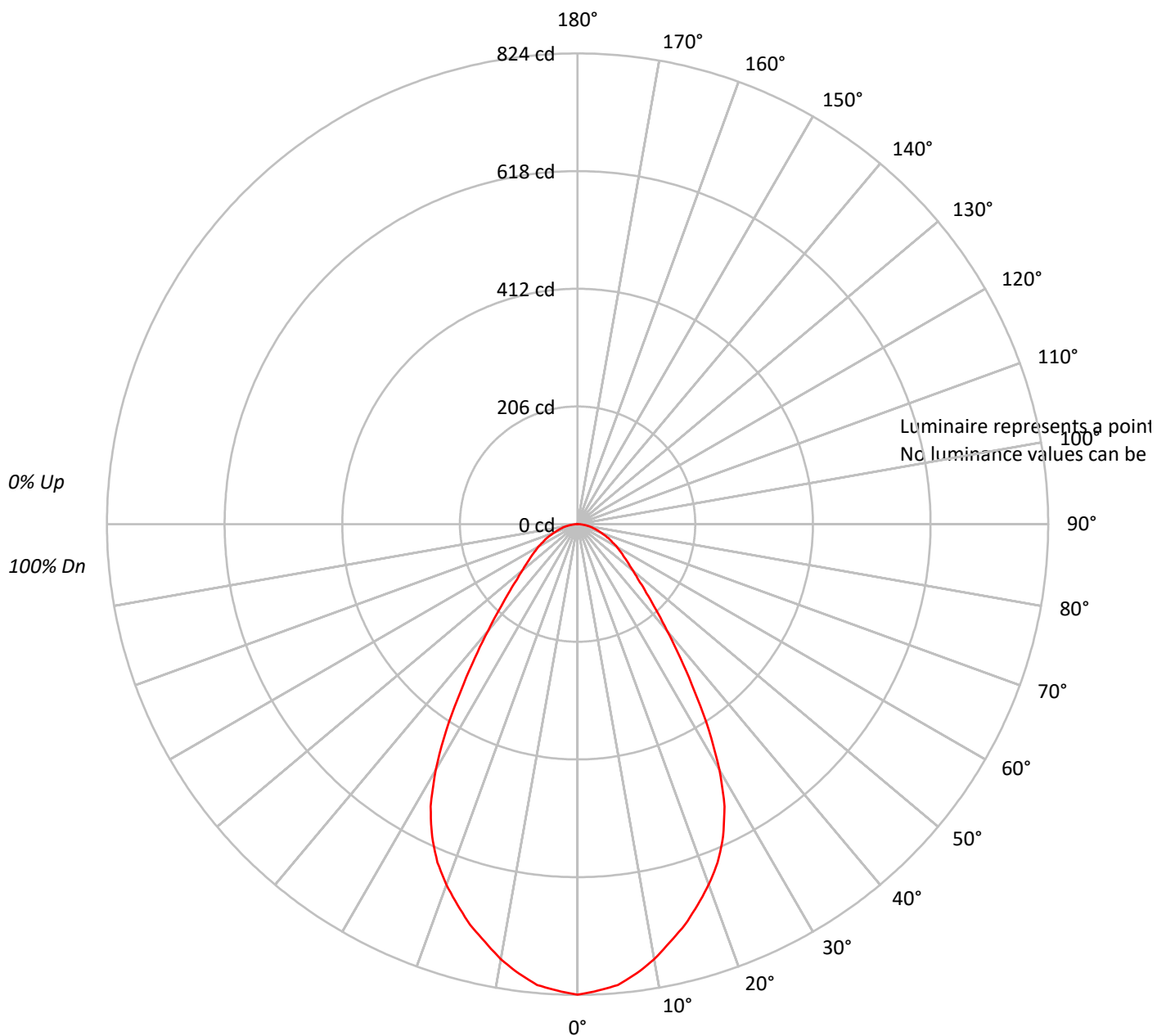
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.1	6.9
10°-20°	203.8	18.5
20°-30°	273.7	24.8
30°-40°	224.5	20.3
40°-50°	134.8	12.2
50°-60°	89.6	8.1
60°-70°	60.0	5.4
70°-80°	32.3	2.9
80°-90°	9.1	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°	553.6	50.1
0°-40°	778.1	70.5
0°-60°	1002.4	90.8
0°-90°	1103.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1103.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	824	
5°	810	76
15°	726	204
25°	603	274
35°	356	224
45°	170	135
55°	99	90
65°	61	60
75°	30	32
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	823.8
2.5°	817.6
5°	810.0
7.5°	793.2
10°	773.5
12.5°	749.1
15°	726.2
17.5°	698.9
20°	671.5
22.5°	641.0
25°	602.9
27.5°	557.2
30°	496.4
32.5°	427.9
35°	356.2
37.5°	295.4
40°	243.6
42.5°	202.5
45°	170.5
47.5°	144.6
50°	126.4
52.5°	111.1
55°	99.0
57.5°	88.2
60°	79.1
62.5°	68.5
65°	60.9
67.5°	51.8
70°	44.1
72.5°	36.5
75°	30.5
77.5°	24.4
80°	18.2
82.5°	13.8
85°	7.6
87.5°	3.0
90°	0.0



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— 0°-180°







(END OF REPORT)