

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: P203531

Luminaire Tested: **LE_6B15D010 EC6B10208027 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203531
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 EC6B10208027 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: 1406.3 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

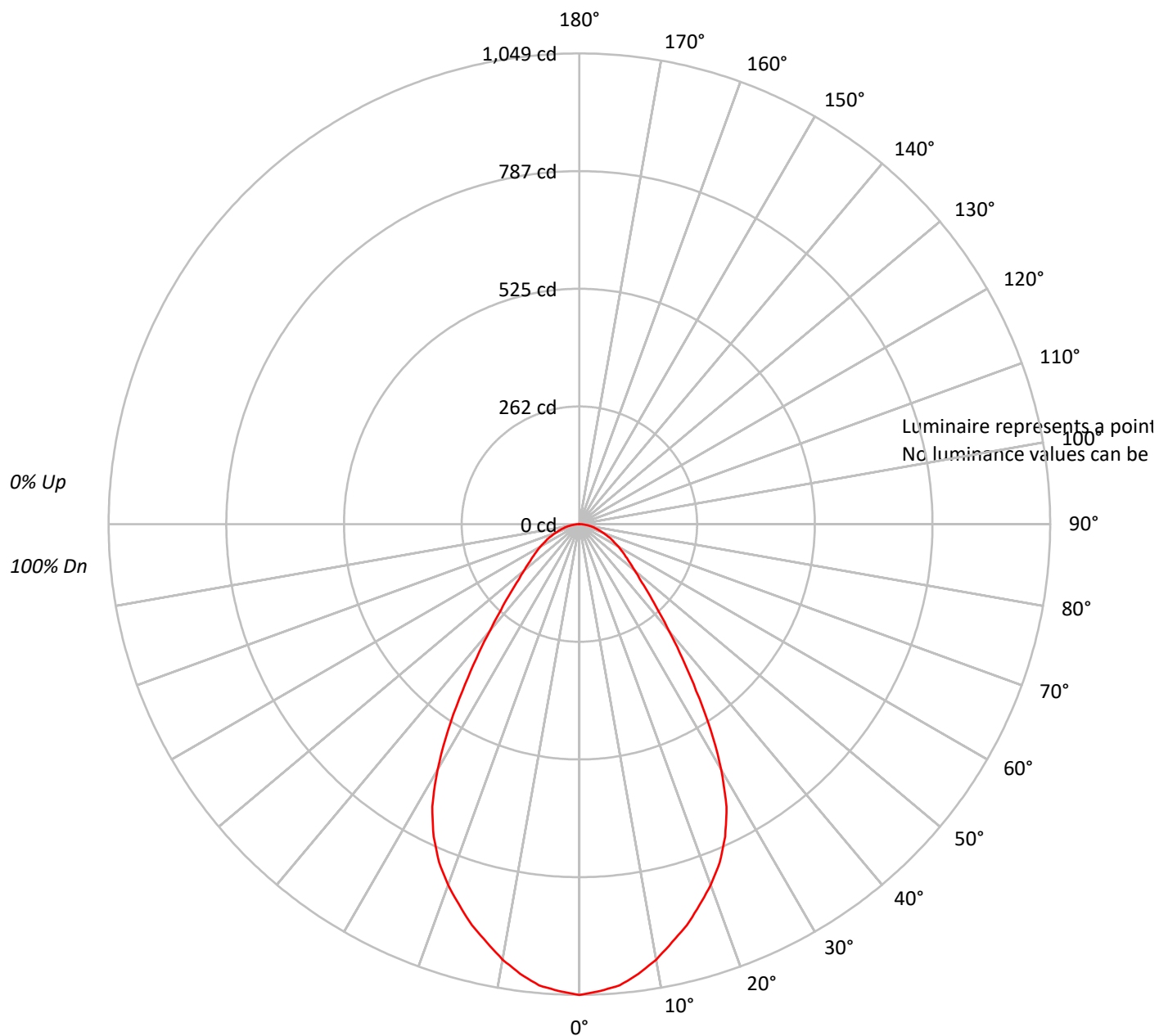
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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°	96.9	6.9
10°-20°	259.6	18.5
20°-30°	348.6	24.8
30°-40°	286.0	20.3
40°-50°	171.7	12.2
50°-60°	114.1	8.1
60°-70°	76.5	5.4
70°-80°	41.1	2.9
80°-90°	11.6	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°	705.2	50.1
0°-40°	991.2	70.5
0°-60°	1277.1	90.8
0°-90°	1406.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1406.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1049	
5°	1032	97
15°	925	260
25°	768	349
35°	454	286
45°	217	172
55°	126	114
65°	78	76
75°	39	41
85°	10	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1049.4
2.5°	1041.6
5°	1031.9
7.5°	1010.6
10°	985.4
12.5°	954.4
15°	925.2
17.5°	890.2
20°	855.4
22.5°	816.6
25°	768.1
27.5°	709.9
30°	632.4
32.5°	545.0
35°	453.9
37.5°	376.2
40°	310.4
42.5°	258.0
45°	217.2
47.5°	184.2
50°	161.0
52.5°	141.6
55°	126.1
57.5°	112.5
60°	100.9
62.5°	87.2
65°	77.6
67.5°	66.0
70°	56.2
72.5°	46.5
75°	38.8
77.5°	31.0
80°	23.2
82.5°	17.5
85°	9.8
87.5°	3.9
90°	0.0



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— 0°-180°







(END OF REPORT)