

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: P204054

Luminaire Tested: **LE_6B15D010 EC6B10209035 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204054
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 EC6B10209035 6LBNMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW 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: 1145.9 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

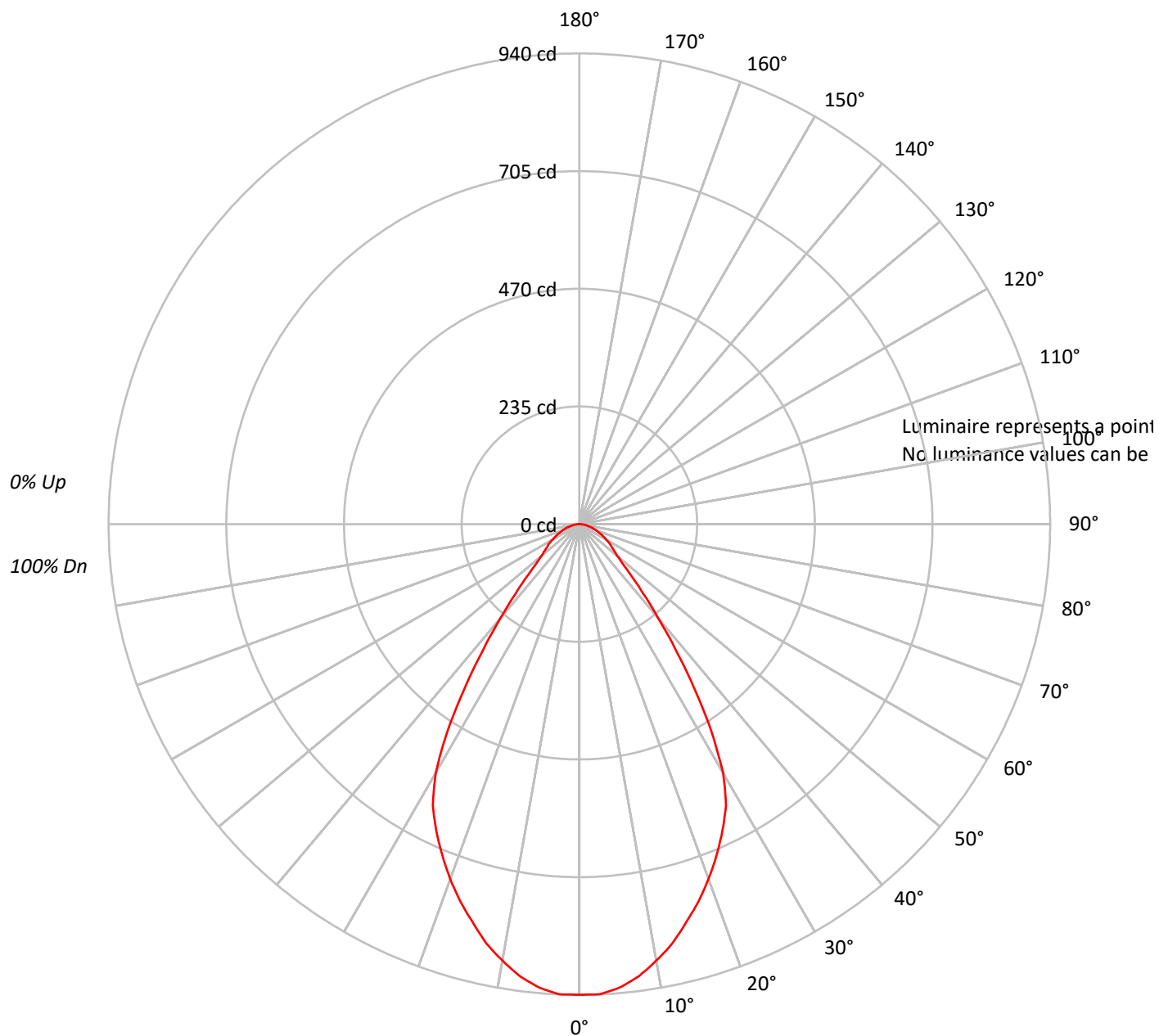
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	103	109	106	103	101	102	100	98		98	97	95		95
2	105	99	94	90	102	97	92	89	94	90	87		91	87	85		88
3	98	90	84	79	96	89	83	79	86	81	77		84	80	76		81
4	92	83	76	71	90	82	76	71	80	74	70		77	73	69		75
5	87	77	70	64	85	76	69	64	74	68	64		72	67	63		70
6	81	71	64	59	80	70	63	59	68	63	58		67	62	58		66
7	77	66	59	54	75	65	59	54	64	58	54		63	57	53		61
8	72	61	55	50	71	61	54	50	60	54	49		59	53	49		58
9	69	58	51	46	67	57	51	46	56	50	46		55	50	46		54
10	65	54	47	43	64	54	47	43	53	47	43		52	46	43		51

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.3	7.6
10°-20°	231.3	20.2
20°-30°	308.8	27.0
30°-40°	249.2	21.7
40°-50°	119.4	10.4
50°-60°	70.8	6.2
60°-70°	47.1	4.1
70°-80°	25.2	2.2
80°-90°	7.0	0.6
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°	627.4	54.8
0°-40°	876.6	76.5
0°-60°	1066.7	93.1
0°-90°	1145.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1145.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	940	
5°	929	87
15°	823	231
25°	676	309
35°	399	249
45°	148	119
55°	78	71
65°	47	47
75°	24	25
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	939.8
2.5°	939.8
5°	928.9
7.5°	910.6
10°	885.1
12.5°	857.9
15°	823.2
17.5°	790.4
20°	754.0
22.5°	715.8
25°	675.8
27.5°	633.8
30°	573.8
32.5°	489.9
35°	398.9
37.5°	315.1
40°	244.0
42.5°	189.4
45°	147.5
47.5°	116.5
50°	98.4
52.5°	87.4
55°	78.4
57.5°	71.0
60°	61.9
62.5°	54.6
65°	47.4
67.5°	40.1
70°	34.6
72.5°	29.1
75°	23.6
77.5°	18.2
80°	14.6
82.5°	10.9
85°	5.5
87.5°	1.9
90°	0.0



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— 0°-180°







(END OF REPORT)