

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: P203542

Luminaire Tested: **LE_6B15D010 EC6B10209727 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203542
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 EC6B10209727 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: 1049.5 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

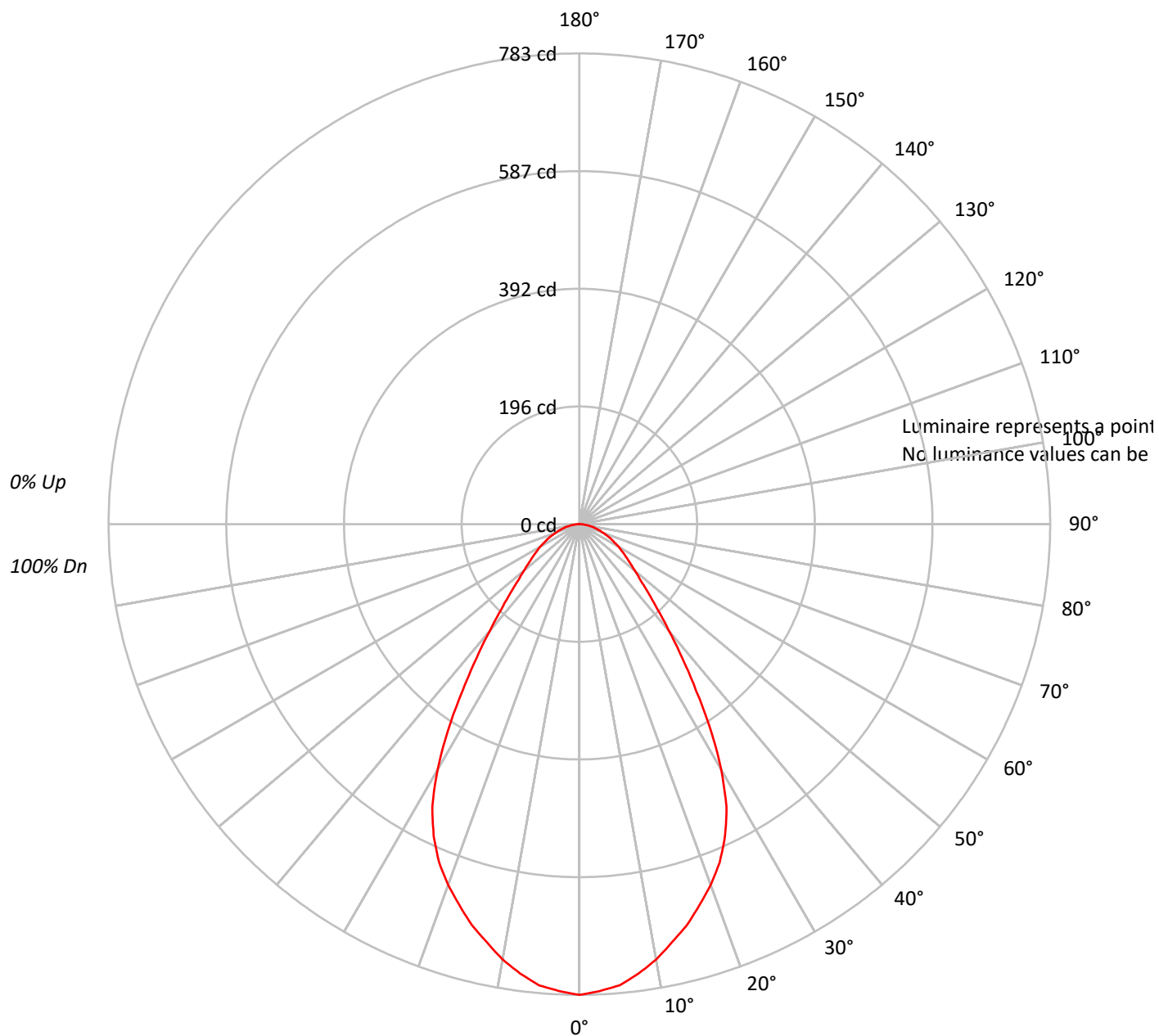
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	108	104	101		109	105	103	100		101	99	97		98	96	94		94	92	91
2	104	97	92	88		101	96	91	87		92	88	85		89	86	83		86	83	81
3	97	88	82	77		95	87	81	76		84	79	75		82	77	74		79	76	73
4	90	81	74	68		88	80	73	68		77	72	67		75	70	66		73	69	65
5	85	74	67	61		83	73	66	61		71	65	61		69	64	60		68	63	59
6	79	68	61	56		78	68	61	56		66	60	55		64	59	55		63	58	54
7	75	63	56	51		73	63	56	51		61	55	50		60	54	50		59	54	50
8	70	59	52	47		69	58	51	47		57	51	46		56	50	46		55	50	46
9	66	55	48	43		65	54	48	43		53	47	43		52	47	43		51	46	43
10	63	51	45	40		62	51	44	40		50	44	40		49	44	40		48	43	40

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.3	6.9
10°-20°	193.8	18.5
20°-30°	260.2	24.8
30°-40°	213.5	20.3
40°-50°	128.1	12.2
50°-60°	85.2	8.1
60°-70°	57.1	5.4
70°-80°	30.7	2.9
80°-90°	8.6	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°	526.3	50.1
0°-40°	739.7	70.5
0°-60°	953.1	90.8
0°-90°	1049.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1049.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	783	
5°	770	72
15°	690	194
25°	573	260
35°	339	213
45°	162	128
55°	94	85
65°	58	57
75°	29	31
85°	7	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	783.1
2.5°	777.4
5°	770.1
7.5°	754.1
10°	735.4
12.5°	712.2
15°	690.5
17.5°	664.4
20°	638.4
22.5°	609.4
25°	573.2
27.5°	529.8
30°	471.9
32.5°	406.8
35°	338.8
37.5°	280.9
40°	231.6
42.5°	192.5
45°	162.1
47.5°	137.5
50°	120.1
52.5°	105.6
55°	94.1
57.5°	84.0
60°	75.2
62.5°	65.1
65°	57.9
67.5°	49.2
70°	42.0
72.5°	34.8
75°	29.0
77.5°	23.1
80°	17.4
82.5°	13.0
85°	7.2
87.5°	2.9
90°	0.0



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— 0°-180°







(END OF REPORT)