

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: P203228

Luminaire Tested: **LE_6B15D010 EC6B10209027 6LBMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203228
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 EC6B10209027 6LBMH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH SEMI-SPECULAR CLEAR 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: 1100.5 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

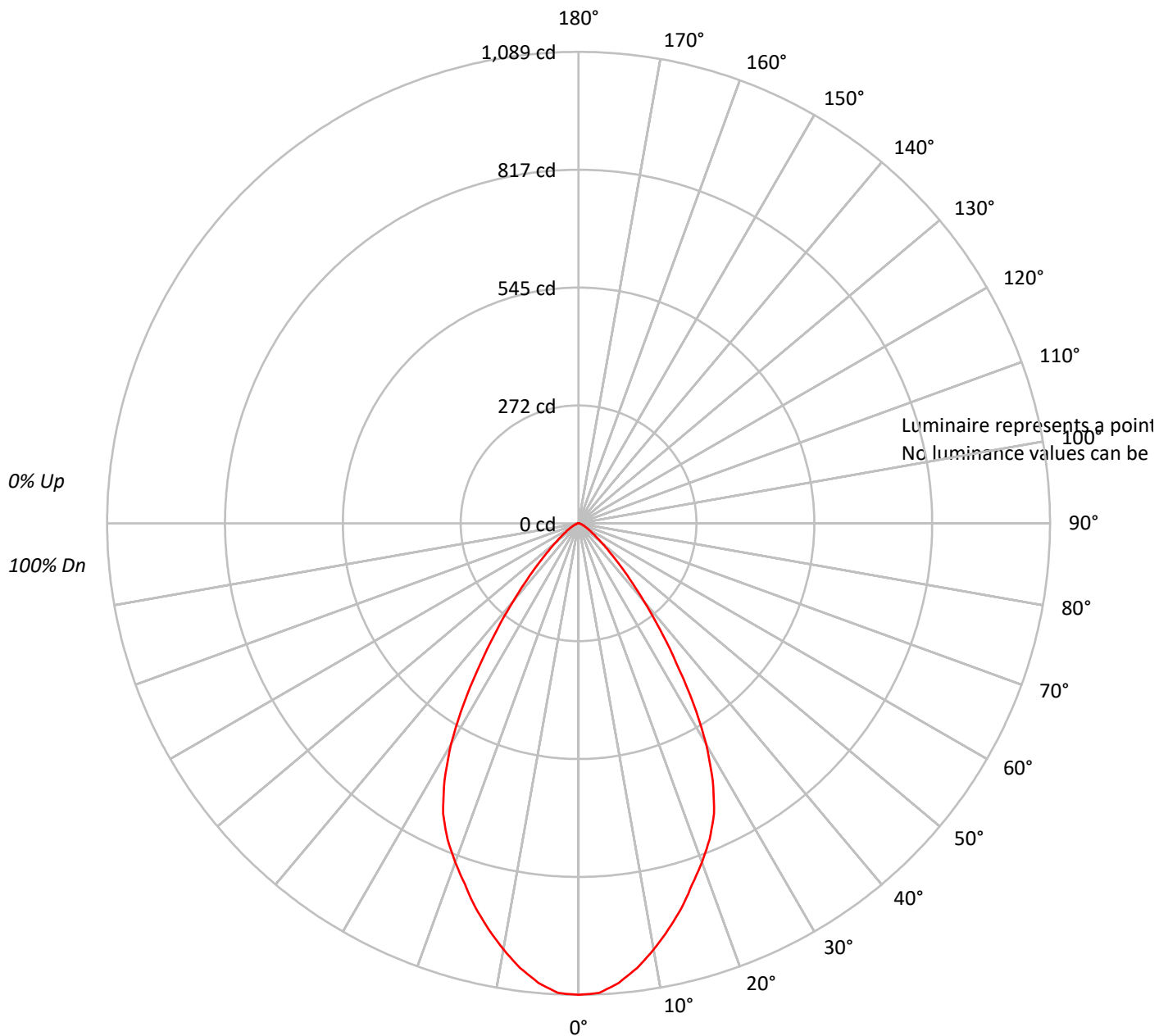
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	107	105	111	108	105	103	104	102	100		100	99	97		97
2	107	102	97	93	105	100	96	92	97	93	90		94	91	88		91
3	101	94	88	84	99	92	87	84	90	86	82		87	84	81		85
4	95	87	81	76	93	86	80	76	84	79	75		82	78	74		80
5	90	81	75	70	88	80	74	70	78	73	69		76	72	68		75
6	85	75	69	64	83	75	69	64	73	68	64		72	67	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	76	66	60	55	75	65	59	55	64	59	55		63	58	55		62
9	72	62	56	51	71	61	55	51	60	55	51		60	55	51		59
10	69	58	52	48	68	58	52	48	57	52	48		56	51	48		55

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.6	9.0
10°-20°	257.6	23.4
20°-30°	333.8	30.3
30°-40°	247.8	22.5
40°-50°	104.6	9.5
50°-60°	37.1	3.4
60°-70°	14.3	1.3
70°-80°	5.0	0.5
80°-90°	0.7	0.1
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°	691.0	62.8
0°-40°	938.8	85.3
0°-60°	1080.6	98.2
0°-90°	1100.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1100.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1089	
5°	1066	100
15°	919	258
25°	740	334
35°	393	248
45°	129	105
55°	39	37
65°	14	14
75°	5	5
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1089.1
2.5°	1086.0
5°	1065.5
7.5°	1035.8
10°	999.5
12.5°	960.2
15°	919.4
17.5°	873.9
20°	833.0
22.5°	790.5
25°	740.2
27.5°	671.1
30°	589.4
32.5°	493.5
35°	392.9
37.5°	308.0
40°	234.1
42.5°	174.5
45°	128.9
47.5°	94.2
50°	69.1
52.5°	51.9
55°	39.2
57.5°	29.9
60°	23.6
62.5°	17.2
65°	14.1
67.5°	11.0
70°	7.9
72.5°	6.2
75°	4.8
77.5°	3.1
80°	1.6
82.5°	1.6
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)