

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: P203626

Luminaire Tested: **LE_6B10D010 EC6B10208050 6LBNH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203626
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 6LBNH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH SEMI-SPECULAR CLEAR 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: 865.8 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

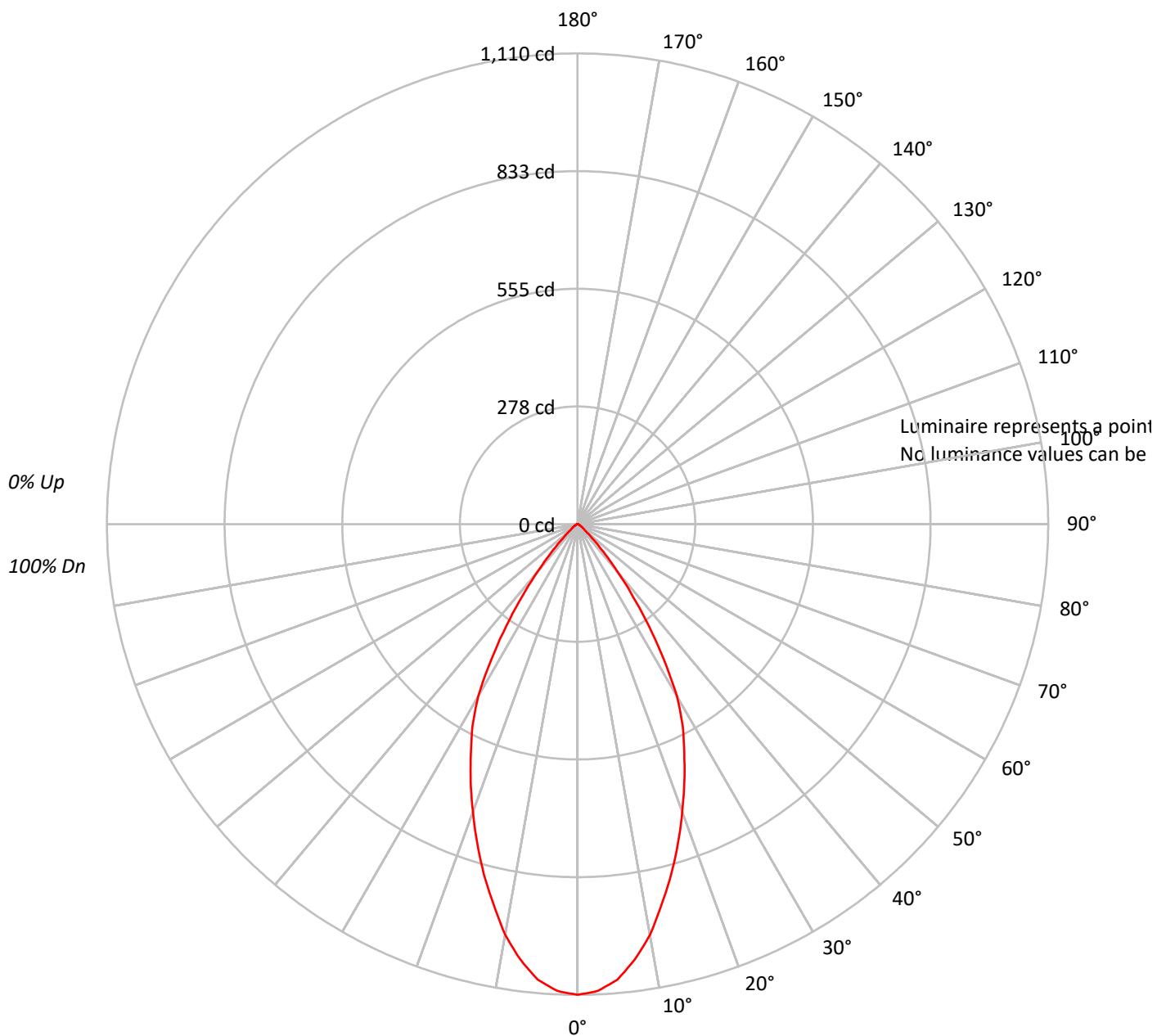
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	106	111	109	106	104		104	103	101			101	99	98			97
2	108	103	99	96	106	101	98	94		98	95	92			95	93	90			92
3	102	96	91	87	100	95	90	86		92	88	85			90	86	84			87
4	97	90	84	80	95	89	83	79		86	82	78			84	81	78			83
5	92	84	78	74	91	83	78	73		81	76	73			80	75	72			78
6	88	79	73	69	86	78	72	68		77	72	68			75	71	67			74
7	83	74	68	64	82	73	68	64		72	67	63			71	66	63			70
8	79	70	64	60	78	69	64	60		68	63	59			67	63	59			66
9	76	66	60	56	75	66	60	56		65	59	56			64	59	56			63
10	72	62	57	53	71	62	57	53		61	56	53			60	56	52			60

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.8	11.5
10°-20°	238.0	27.5
20°-30°	272.7	31.5
30°-40°	183.2	21.2
40°-50°	52.3	6.0
50°-60°	12.8	1.5
60°-70°	4.9	0.6
70°-80°	1.9	0.2
80°-90°	0.2	0.0
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°	610.5	70.5
0°-40°	793.7	91.7
0°-60°	858.8	99.2
0°-90°	865.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	865.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1110	
5°	1078	100
15°	854	238
25°	595	273
35°	292	183
45°	60	52
55°	14	13
65°	5	5
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1109.9
2.5°	1102.0
5°	1078.2
7.5°	1035.6
10°	983.5
12.5°	917.2
15°	854.1
17.5°	787.8
20°	721.5
22.5°	658.4
25°	595.1
27.5°	536.8
30°	468.9
32.5°	378.9
35°	292.1
37.5°	213.1
40°	146.9
42.5°	96.2
45°	60.0
47.5°	36.2
50°	22.1
52.5°	17.4
55°	14.2
57.5°	11.0
60°	7.9
62.5°	6.4
65°	4.8
67.5°	3.1
70°	3.1
72.5°	1.6
75°	1.6
77.5°	1.6
80°	1.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)