

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: P204041

Luminaire Tested: **LE_6B10D010 EC6B10209035 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204041
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 EC6B10209035 6LBNMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH MATTE WHITE 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: 831.3 lumens
Efficiency: N/A
Efficacy: 84.0 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

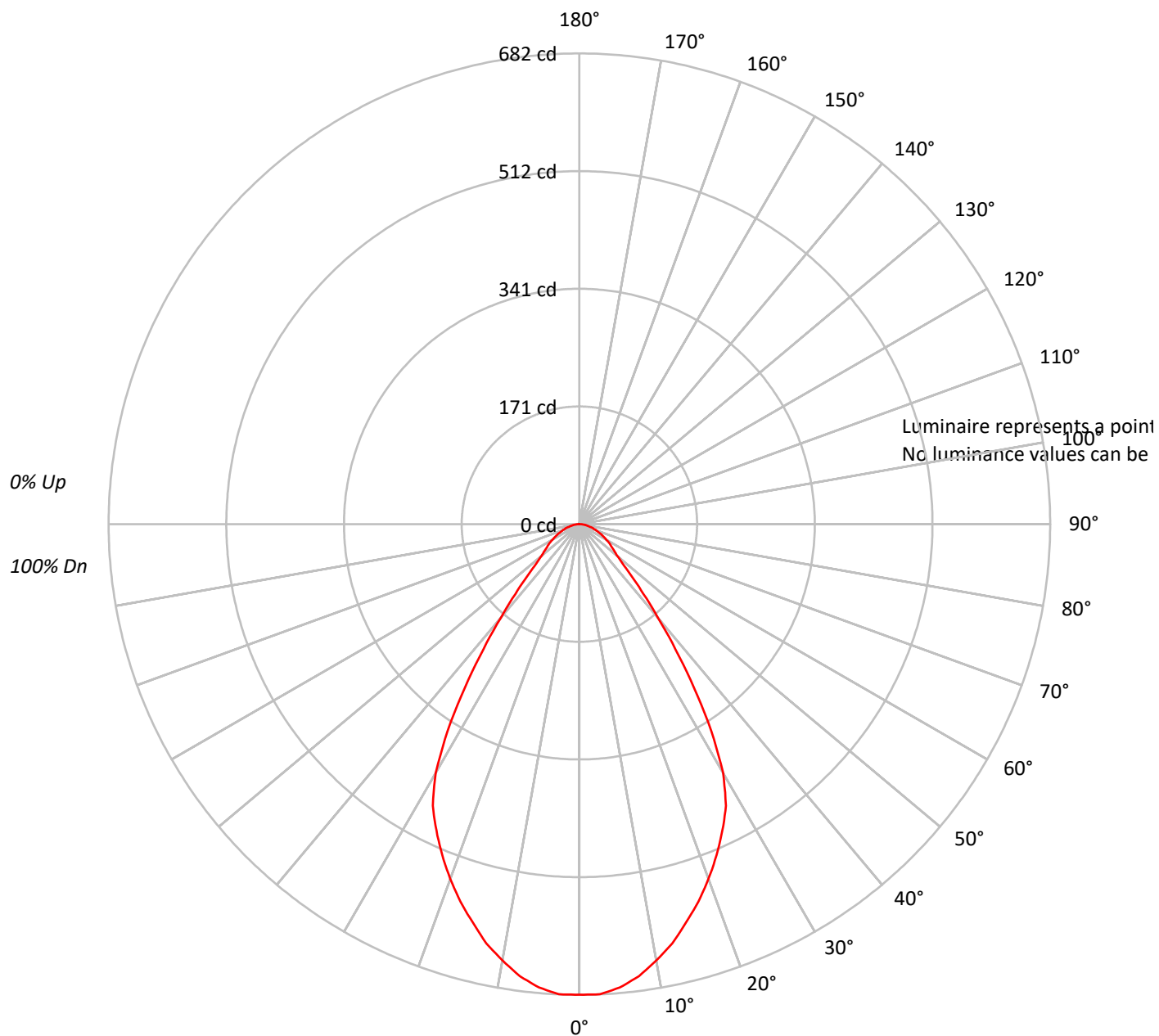
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	108	105	103	109	106	103	101		102	100	98		98	97	95		95	93	92
2	105	99	94	90	102	97	92	89		94	90	87		91	87	85		88	85	83
3	98	90	84	79	96	89	83	79		86	81	77		84	80	76		81	78	75
4	92	83	76	71	90	82	76	71		80	74	70		77	73	69		75	71	68
5	87	77	70	65	85	76	69	64		74	68	64		72	67	63		70	66	62
6	81	71	64	59	80	70	63	59		68	63	58		67	62	58		66	61	57
7	77	66	59	54	75	65	59	54		64	58	54		63	57	53		61	57	53
8	72	61	55	50	71	61	54	50		60	54	49		59	53	49		58	53	49
9	69	58	51	46	67	57	51	46		56	50	46		55	50	46		54	49	46
10	65	54	47	43	64	54	47	43		53	47	43		52	46	43		51	46	43

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.3	7.6
10°-20°	167.8	20.2
20°-30°	224.0	26.9
30°-40°	180.7	21.7
40°-50°	86.6	10.4
50°-60°	51.3	6.2
60°-70°	34.1	4.1
70°-80°	18.3	2.2
80°-90°	5.1	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°	455.1	54.8
0°-40°	635.9	76.5
0°-60°	773.8	93.1
0°-90°	831.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	831.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	682	
5°	674	63
15°	597	168
25°	490	224
35°	289	181
45°	107	87
55°	57	51
65°	34	34
75°	17	18
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	681.8
2.5°	681.8
5°	673.9
7.5°	660.6
10°	642.1
12.5°	622.2
15°	597.2
17.5°	573.4
20°	547.0
22.5°	519.2
25°	490.1
27.5°	459.8
30°	416.1
32.5°	355.4
35°	289.4
37.5°	228.6
40°	177.0
42.5°	137.4
45°	107.0
47.5°	84.5
50°	71.4
52.5°	63.4
55°	56.8
57.5°	51.5
60°	44.9
62.5°	39.6
65°	34.4
67.5°	29.1
70°	25.1
72.5°	21.1
75°	17.1
77.5°	13.2
80°	10.6
82.5°	7.9
85°	4.0
87.5°	1.4
90°	0.0



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— 0°-180°







(END OF REPORT)