

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: P203623

Luminaire Tested: **LE_6B10D010 EC6B10208030 6LBNH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203623
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 EC6B10208030 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: 835.8 lumens
Efficiency: N/A
Efficacy: 84.4 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

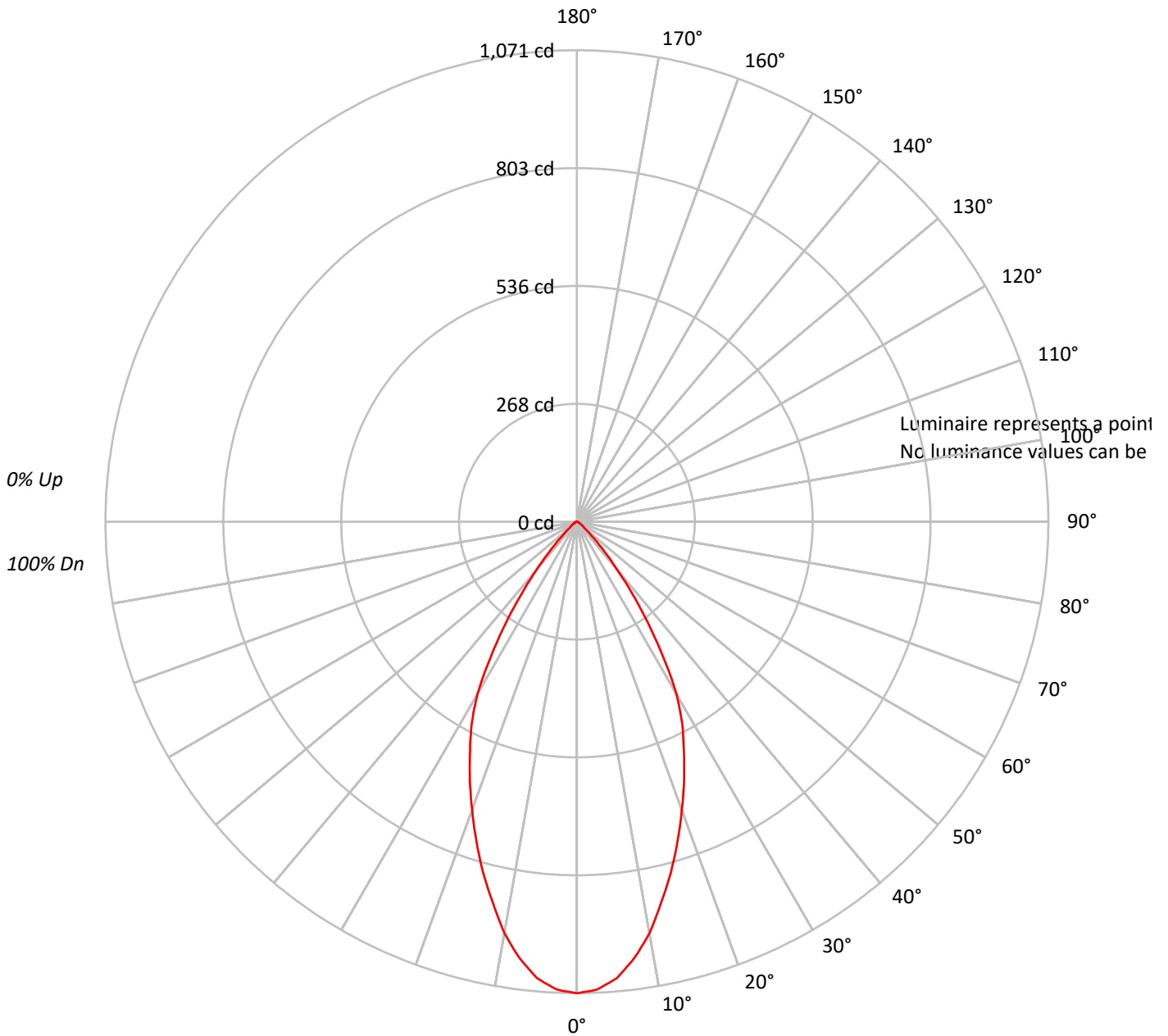
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20																	
RC	80									50									30									10									0								
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0															
RCR																																													
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																											
1	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93																											
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87																											
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81																											
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75																											
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70																											
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65																											
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61																											
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58																											
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54																											
10	72	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51																											

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.3	11.5
10°-20°	229.8	27.5
20°-30°	263.2	31.5
30°-40°	176.9	21.2
40°-50°	50.5	6.0
50°-60°	12.4	1.5
60°-70°	4.7	0.6
70°-80°	1.8	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°	589.3	70.5
0°-40°	766.2	91.7
0°-60°	829.1	99.2
0°-90°	835.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	835.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1071	
5°	1041	96
15°	824	230
25°	574	263
35°	282	177
45°	58	51
55°	14	12
65°	5	5
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1071.4
2.5°	1063.8
5°	1040.9
7.5°	999.8
10°	949.5
12.5°	885.4
15°	824.5
17.5°	760.5
20°	696.5
22.5°	635.5
25°	574.5
27.5°	518.1
30°	452.6
32.5°	365.8
35°	281.9
37.5°	205.8
40°	141.8
42.5°	93.0
45°	57.9
47.5°	35.0
50°	21.4
52.5°	16.8
55°	13.8
57.5°	10.6
60°	7.6
62.5°	6.1
65°	4.6
67.5°	3.0
70°	3.0
72.5°	1.5
75°	1.5
77.5°	1.5
80°	1.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)