

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: P203949

Luminaire Tested: **LE_6B15D010 EC6B10209027 6LBNB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203949
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 6LBNB1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH SPECULAR BLACK 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: 657.2 lumens
Efficiency: N/A
Efficacy: 46.0 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.83
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

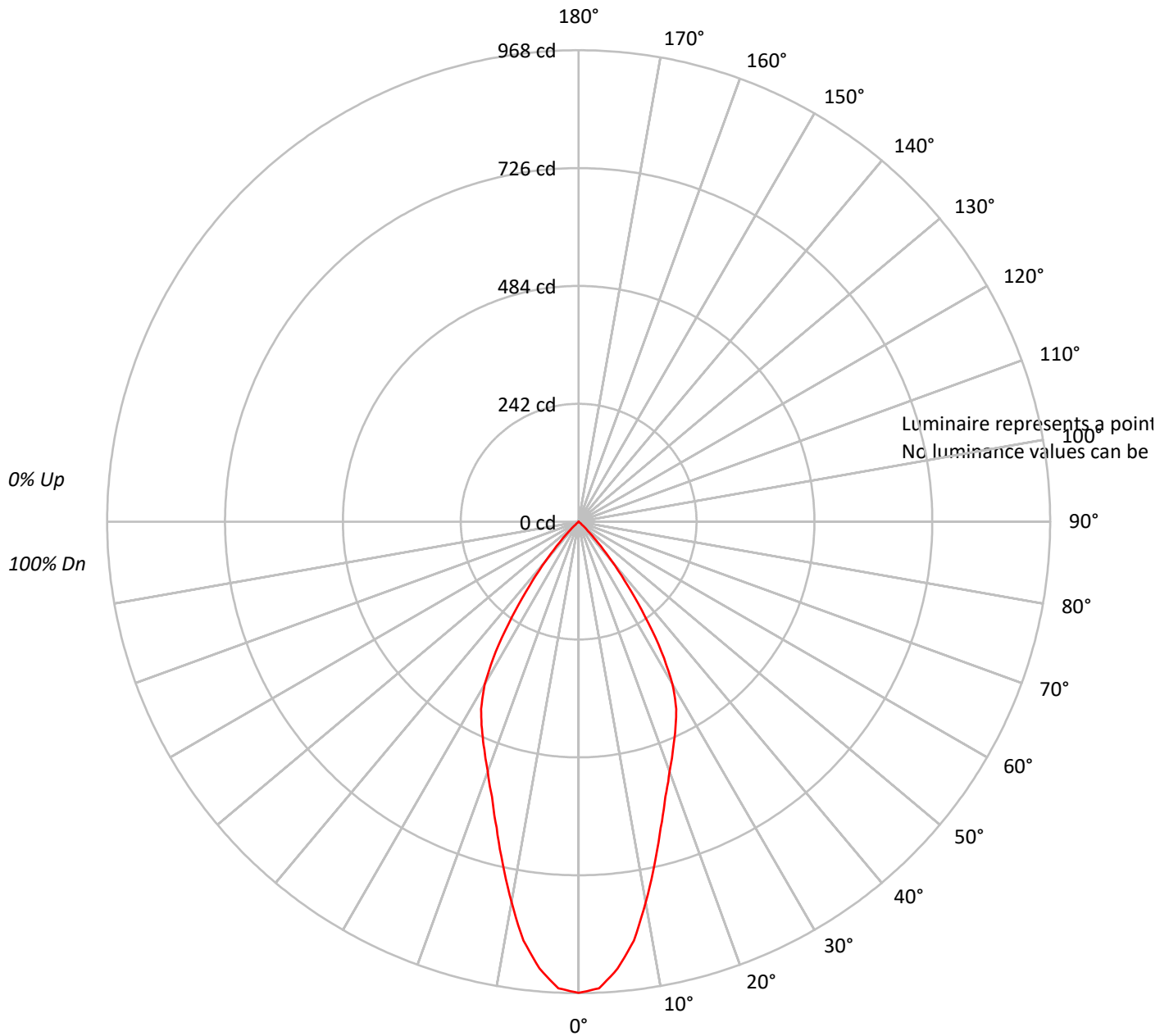
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	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			100
1	114	111	109	107	111	109	107	105		105	103	102			101	100	99			94
2	108	104	100	97	106	102	99	96		99	96	93			96	94	91			88
3	103	97	92	88	101	96	91	88		93	89	86			91	88	85			82
4	98	91	86	82	96	90	85	81		88	84	80			86	82	79			77
5	93	85	80	76	92	85	79	75		83	78	75			81	77	74			72
6	89	80	75	71	88	80	74	70		78	73	70			77	73	69			67
7	85	76	70	66	83	75	70	66		74	69	65			73	68	65			63
8	81	72	66	62	80	71	66	62		70	65	61			69	64	61			60
9	77	68	62	58	76	67	62	58		66	61	58			65	61	58			56
10	74	64	59	55	73	64	58	55		63	58	55			62	58	55			53

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.9	12.8
10°-20°	182.9	27.8
20°-30°	215.0	32.7
30°-40°	148.0	22.5
40°-50°	27.4	4.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	481.8	73.3
0°-40°	629.8	95.8
0°-60°	657.2	100.0
0°-90°	657.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	657.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	968	
5°	921	84
15°	651	183
25°	470	215
35°	238	148
45°	28	27
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	967.5
2.5°	958.9
5°	921.0
7.5°	867.6
10°	793.6
12.5°	719.6
15°	650.8
17.5°	592.2
20°	545.8
22.5°	506.1
25°	470.0
27.5°	433.9
30°	385.6
32.5°	316.8
35°	237.6
37.5°	165.2
40°	105.0
42.5°	58.5
45°	27.5
47.5°	8.6
50°	0.0
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)