

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: P203739

Luminaire Tested: **LE_6B15D010 EC6B10208035 6LBNWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203739
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 EC6B10208035 6LBNWH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH WHEAT 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: 1265.4 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.64
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

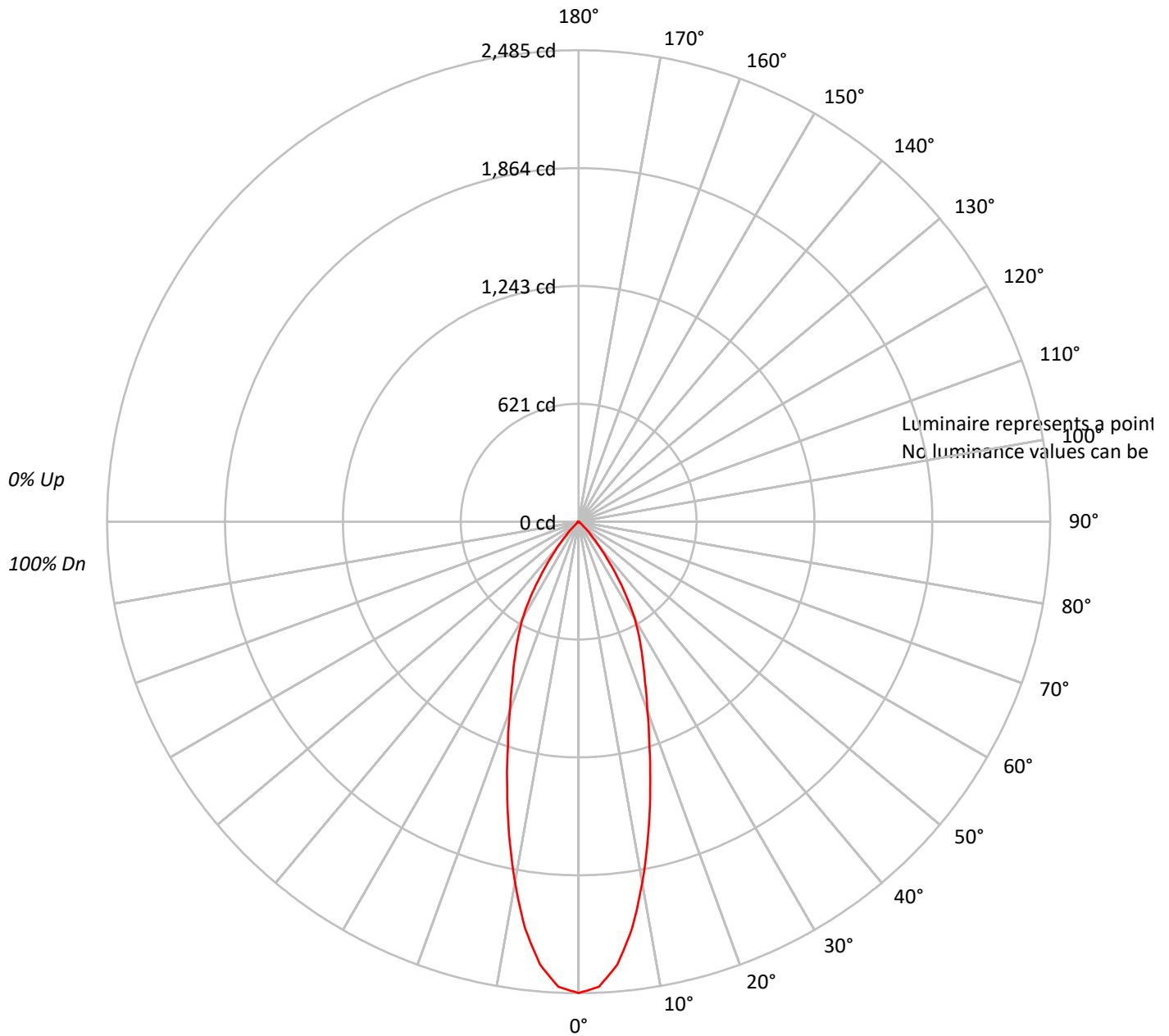
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	107	105		105	104	102			101	100	99			94
2	109	104	101	97	107	103	99	96		99	97	94			96	94	92			89
3	104	98	93	90	102	97	92	89		94	91	88			92	89	86			83
4	99	92	87	83	97	91	86	83		89	85	82			87	84	81			79
5	95	87	82	78	93	86	81	77		84	80	77			83	79	76			74
6	91	82	77	73	89	82	76	73		80	76	72			79	75	72			70
7	87	78	73	69	85	77	72	69		76	72	68			75	71	68			66
8	83	74	69	65	82	74	68	65		73	68	65			72	67	64			63
9	79	71	65	62	78	70	65	61		69	65	61			68	64	61			60
10	76	67	62	58	75	67	62	58		66	61	58			65	61	58			57

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.3	16.6
10°-20°	404.1	31.9
20°-30°	367.4	29.0
30°-40°	222.7	17.6
40°-50°	50.7	4.0
50°-60°	6.5	0.5
60°-70°	2.8	0.2
70°-80°	0.8	0.1
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°	981.8	77.6
0°-40°	1204.5	95.2
0°-60°	1261.7	99.7
0°-90°	1265.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1265.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2485	
5°	2342	210
15°	1456	404
25°	797	367
35°	353	223
45°	56	51
55°	6	6
65°	2	3
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2484.6
2.5°	2454.5
5°	2342.5
7.5°	2161.6
10°	1931.2
12.5°	1692.2
15°	1455.5
17.5°	1240.1
20°	1059.2
22.5°	912.9
25°	796.6
27.5°	693.2
30°	592.1
32.5°	473.6
35°	353.1
37.5°	247.6
40°	163.6
42.5°	101.2
45°	56.0
47.5°	25.9
50°	10.8
52.5°	8.6
55°	6.5
57.5°	6.5
60°	4.2
62.5°	4.2
65°	2.1
67.5°	2.1
70°	2.1
72.5°	2.1
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)