

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: P205288

Luminaire Tested: **LE_6B15D010 EC6B10209050 6LBNLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205288
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 EC6B10209050 6LBNI1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH SPECULAR CLEAR 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: 1269.5 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.58
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

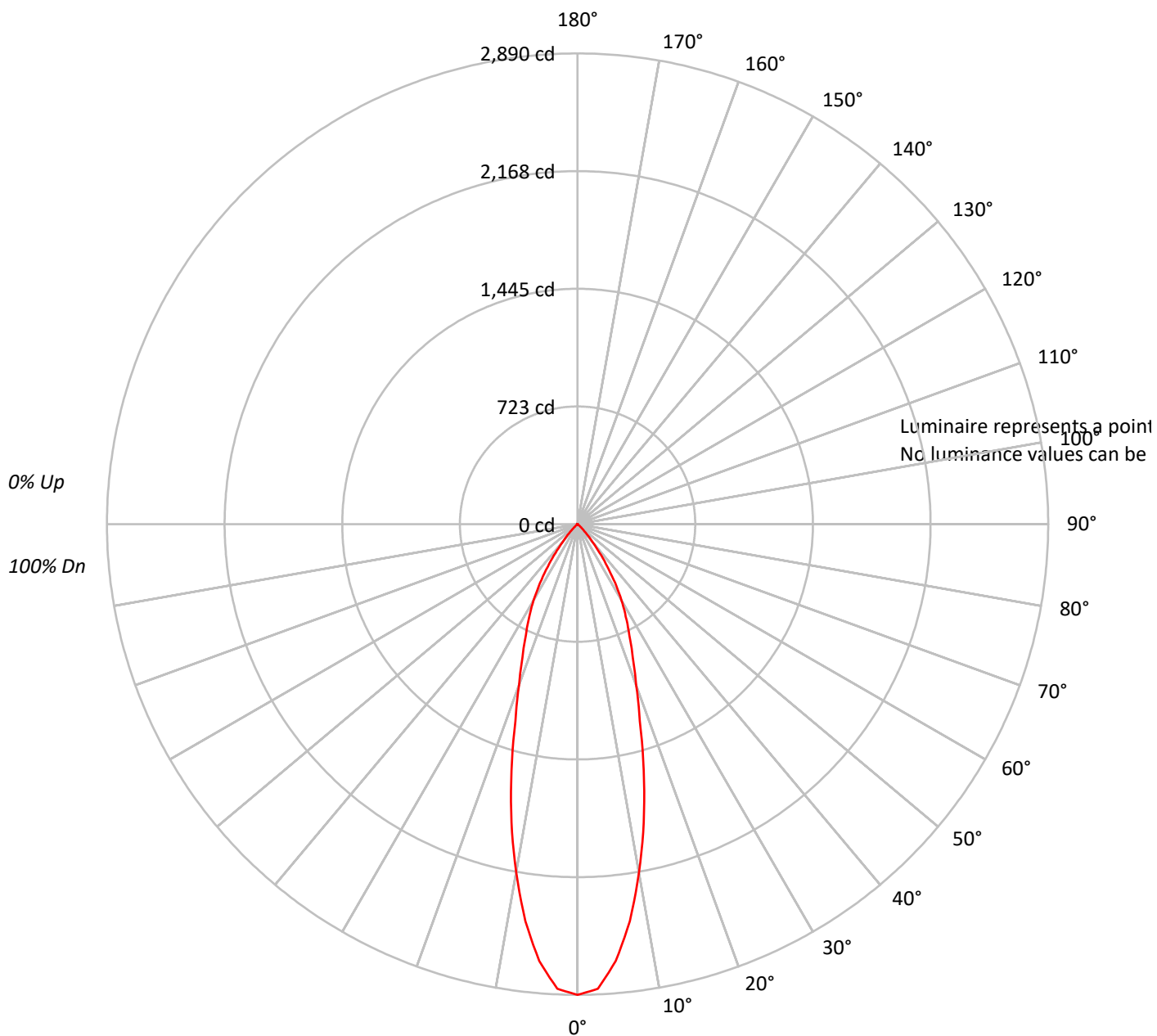
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	107	112	109	107	106		105	104	102			102	101	99			95
2	109	105	101	98	107	103	100	97		100	97	95			97	95	93			89
3	105	99	94	91	103	97	93	90		95	91	89			93	90	87			85
4	100	93	88	85	98	92	88	84		90	86	83			88	85	82			80
5	96	88	83	79	94	87	83	79		86	82	78			84	81	78			76
6	92	84	79	75	90	83	78	75		82	77	74			80	76	74			72
7	88	80	74	71	87	79	74	71		78	73	70			77	73	70			68
8	84	76	71	67	83	75	70	67		74	70	67			73	69	66			65
9	81	73	67	64	80	72	67	64		71	67	63			70	66	63			62
10	78	69	64	61	77	69	64	61		68	64	61			67	63	60			59

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.3	18.9
10°-20°	431.3	34.0
20°-30°	348.7	27.5
30°-40°	200.9	15.8
40°-50°	42.5	3.3
50°-60°	3.6	0.3
60°-70°	1.9	0.1
70°-80°	0.2	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°	1020.4	80.4
0°-40°	1221.3	96.2
0°-60°	1267.4	99.8
0°-90°	1269.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1269.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2890	
5°	2693	240
15°	1567	431
25°	752	349
35°	318	201
45°	46	42
55°	4	4
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2890.4
2.5°	2855.6
5°	2692.6
7.5°	2458.4
10°	2171.0
12.5°	1876.2
15°	1566.9
17.5°	1268.5
20°	1050.8
22.5°	884.1
25°	752.4
27.5°	640.6
30°	540.0
32.5°	428.4
35°	318.5
37.5°	221.5
40°	144.6
42.5°	87.9
45°	45.8
47.5°	18.2
50°	5.5
52.5°	5.5
55°	3.6
57.5°	3.6
60°	1.9
62.5°	1.9
65°	1.9
67.5°	1.9
70°	1.9
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)