

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: P205178

Luminaire Tested: **LE_6B15D010 EC6B10208027 6LBWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205178
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 EC6B10208027 6LBWL1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE 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: 1771.9 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

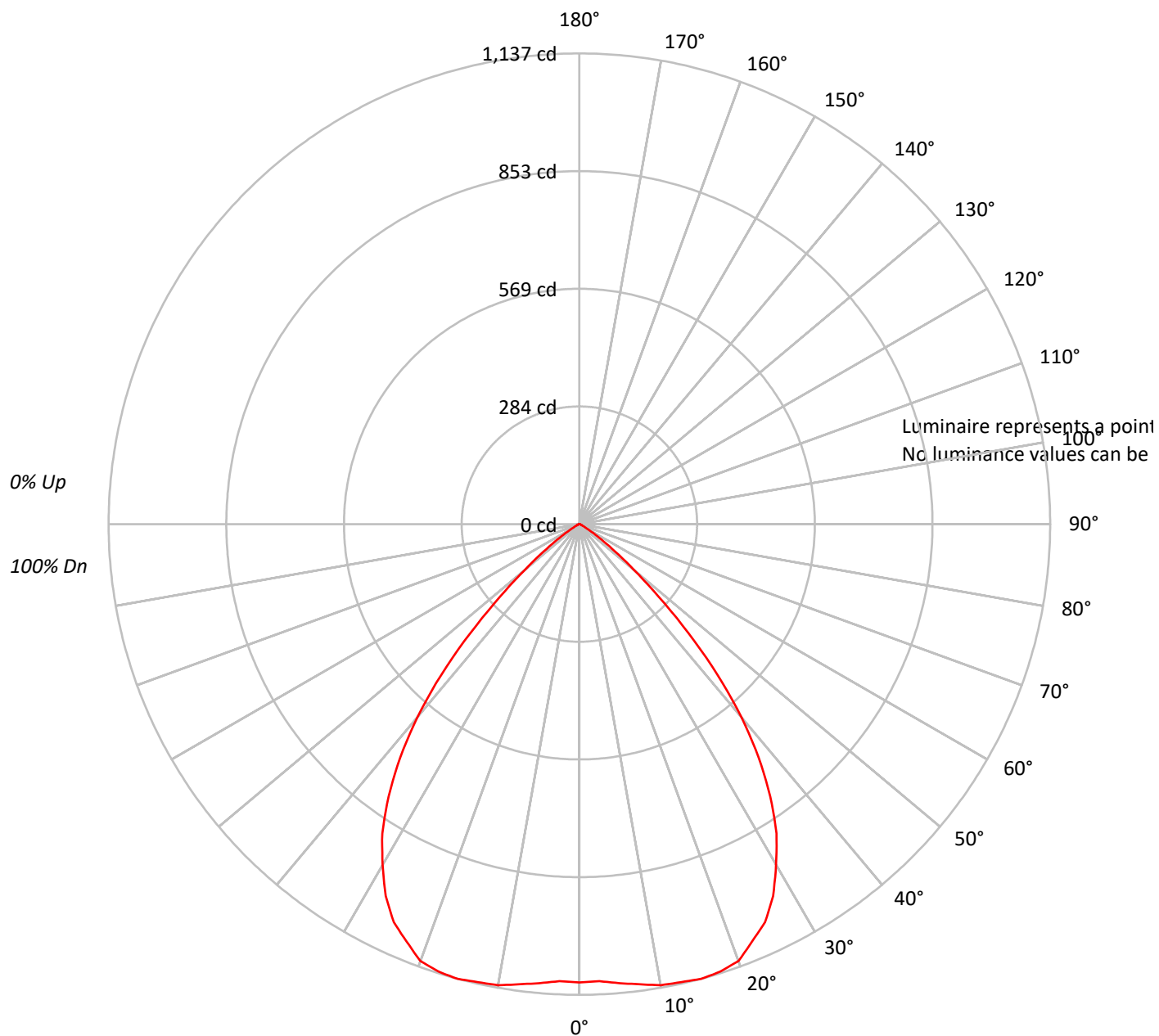
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	107	104	110	107	105	103	103	101	99		100	98	97		96
2	106	101	96	92	104	99	95	91	95	92	89		92	90	87		90
3	100	92	87	82	97	91	86	81	88	84	80		86	82	79		83
4	93	85	78	74	92	84	78	73	81	76	72		79	75	71		77
5	88	78	71	66	86	77	71	66	75	70	65		73	69	65		72
6	82	72	65	60	81	71	65	60	70	64	59		68	63	59		67
7	77	67	60	55	76	66	59	55	65	59	54		63	58	54		62
8	73	62	55	50	71	61	55	50	60	54	50		59	54	50		58
9	69	57	51	46	67	57	50	46	56	50	46		55	50	46		54
10	65	54	47	43	64	53	47	43	52	46	42		51	46	42		51

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.8	6.0
10°-20°	321.0	18.1
20°-30°	483.9	27.3
30°-40°	495.3	28.0
40°-50°	288.5	16.3
50°-60°	66.3	3.7
60°-70°	8.1	0.5
70°-80°	2.1	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°	911.6	51.5
0°-40°	1406.9	79.4
0°-60°	1761.7	99.4
0°-90°	1771.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1771.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1107	
5°	1113	107
15°	1137	321
25°	1061	484
35°	804	495
45°	372	288
55°	64	66
65°	6	8
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1107.0
2.5°	1105.0
5°	1113.0
7.5°	1121.0
10°	1131.1
12.5°	1133.1
15°	1137.1
17.5°	1133.1
20°	1123.1
22.5°	1090.9
25°	1060.8
27.5°	1012.6
30°	950.2
32.5°	886.0
35°	803.6
37.5°	711.2
40°	608.8
42.5°	494.2
45°	371.6
47.5°	259.1
50°	170.8
52.5°	108.5
55°	64.2
57.5°	34.1
60°	18.1
62.5°	10.0
65°	6.0
67.5°	6.0
70°	4.0
72.5°	2.0
75°	2.0
77.5°	2.0
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)