

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: P205380

Luminaire Tested: **LE_6B15D010 EC6B10208027 6LBSLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205380
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 6LBSLI1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW 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: 1890.6 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

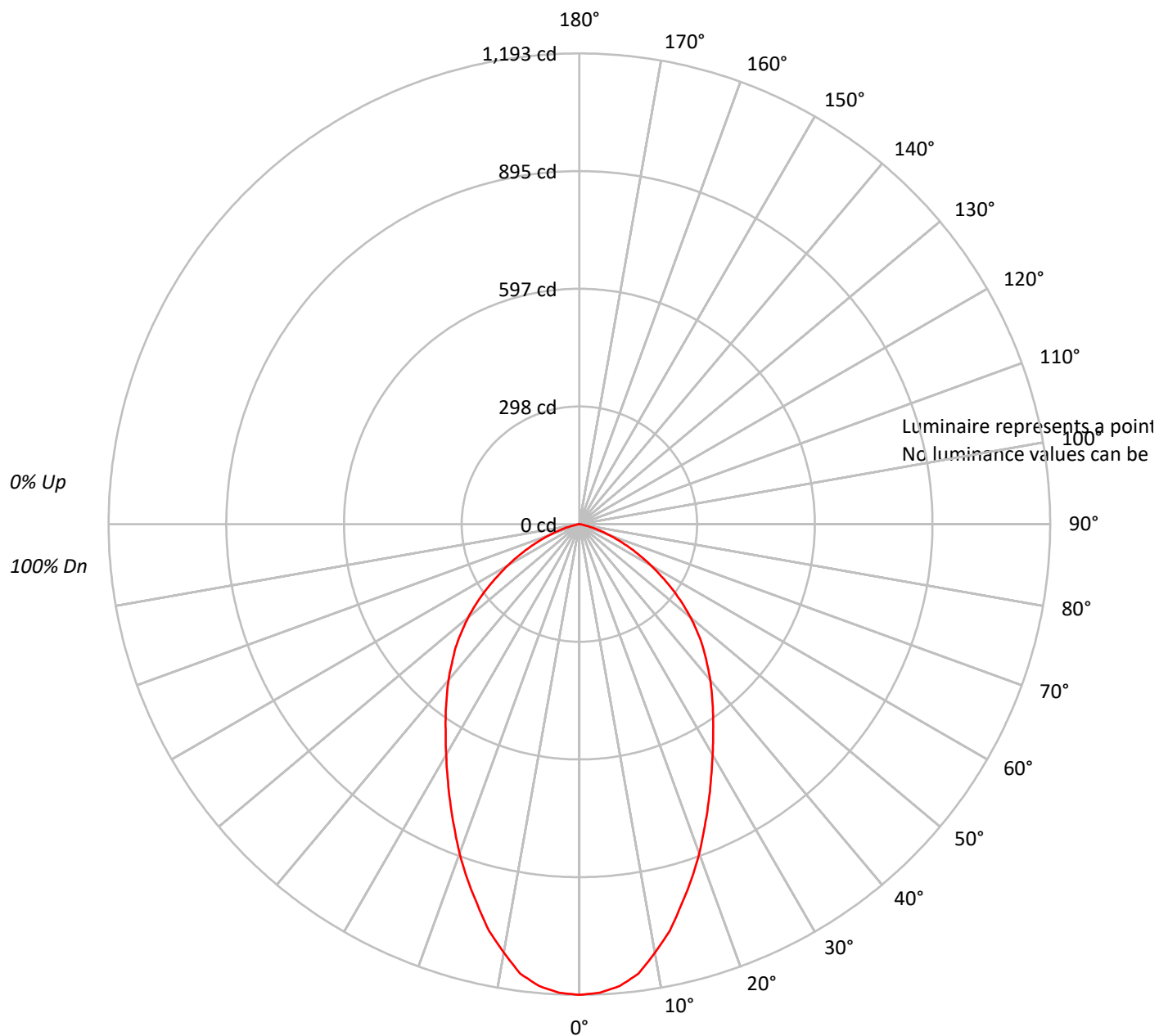
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	107	104	101		109	105	102	99		101	99	96		97	95	93		94	92	91
2	103	96	91	86		100	94	89	85		91	87	83		88	84	81		85	82	79
3	95	86	79	74		93	85	78	73		82	76	72		79	75	71		77	73	70
4	88	78	70	64		86	77	69	64		74	68	63		72	67	62		70	65	62
5	82	71	63	57		80	70	62	57		67	61	56		66	60	55		64	59	55
6	76	64	56	51		74	63	56	51		62	55	50		60	54	50		59	53	49
7	71	59	51	46		70	58	51	45		57	50	45		55	49	45		54	49	45
8	67	54	47	41		65	54	46	41		52	46	41		51	45	41		50	45	41
9	63	50	43	38		61	50	43	38		49	42	38		48	42	37		47	41	37
10	59	47	40	35		58	46	39	35		45	39	35		45	39	34		44	38	34

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.9	5.8
10°-20°	279.9	14.8
20°-30°	356.9	18.9
30°-40°	370.1	19.6
40°-50°	341.0	18.0
50°-60°	256.5	13.6
60°-70°	138.5	7.3
70°-80°	37.1	2.0
80°-90°	0.5	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°	746.7	39.5
0°-40°	1116.8	59.1
0°-60°	1714.4	90.7
0°-90°	1890.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1890.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1193	
5°	1175	110
15°	998	280
25°	775	357
35°	590	370
45°	444	341
55°	287	257
65°	139	139
75°	32	37
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1193.0
2.5°	1189.0
5°	1175.0
7.5°	1148.9
10°	1102.6
12.5°	1056.5
15°	998.2
17.5°	944.0
20°	887.8
22.5°	829.5
25°	775.2
27.5°	723.0
30°	674.9
32.5°	630.6
35°	590.5
37.5°	552.4
40°	516.1
42.5°	478.0
45°	443.9
47.5°	405.8
50°	367.5
52.5°	327.4
55°	287.2
57.5°	247.0
60°	208.9
62.5°	172.8
65°	138.6
67.5°	106.5
70°	78.4
72.5°	54.2
75°	32.1
77.5°	14.0
80°	4.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)