

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: P204770

Luminaire Tested: **LE_6B15D010 EC6B10208027 6LBCSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204770
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 6LBCSMW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE WHITE 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: 1926.1 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

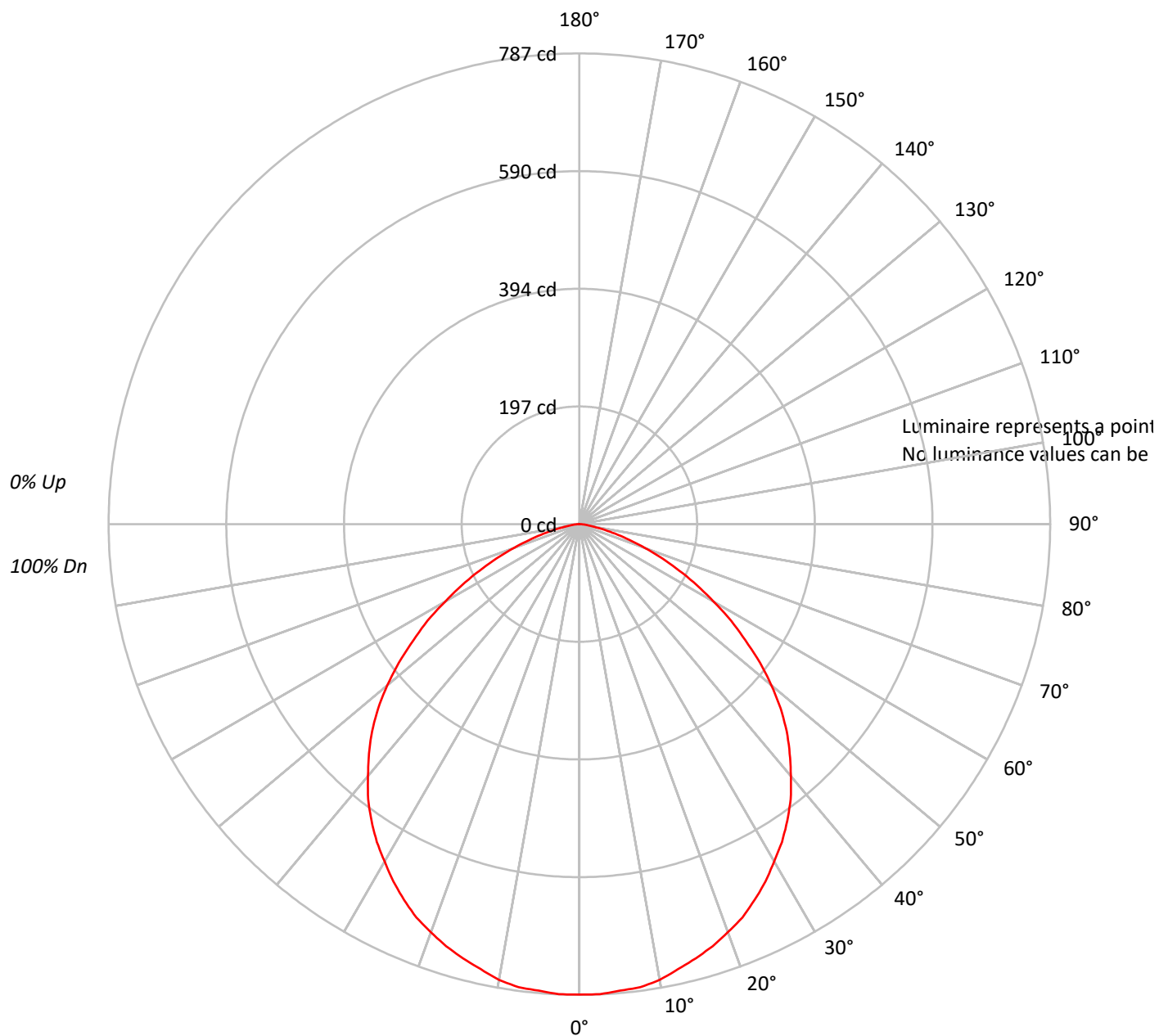
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204770

CATALOG NUMBER: LE_6B15D010 EC6B10208027 6LBCSMW1

Luminous Intensity Polar Plot





TEST NUMBER: P204770

CATALOG NUMBER: LE_6B15D010 EC6B10208027 6LBCSMW1

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	110	106	102	99		108	104	100	97		100	97	94		96	93	91		92	90	89
2	101	94	87	82		99	92	86	81		88	84	79		85	81	78		82	79	76
3	93	83	75	70		90	81	74	69		79	73	68		76	71	67		73	69	65
4	85	74	66	60		83	73	65	59		70	64	58		68	62	58		66	61	57
5	79	66	58	52		77	65	57	51		63	56	51		61	55	50		60	54	50
6	73	60	52	45		71	59	51	45		57	50	45		56	49	44		54	49	44
7	68	55	46	40		66	54	46	40		52	45	40		51	44	40		50	44	39
8	63	50	42	36		61	49	41	36		48	41	36		47	40	36		46	40	35
9	59	46	38	33		57	45	38	32		44	37	32		43	37	32		42	36	32
10	55	42	35	30		54	42	34	30		41	34	29		40	34	29		39	33	29

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204770

CATALOG NUMBER: LE_6B15D010 EC6B10208027 6LBCSMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.5	3.9
10°-20°	212.2	11.0
20°-30°	319.2	16.6
30°-40°	378.3	19.6
40°-50°	376.5	19.5
50°-60°	303.5	15.8
60°-70°	183.6	9.5
70°-80°	68.2	3.5
80°-90°	10.1	0.5
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°	605.9	31.5
0°-40°	984.2	51.1
0°-60°	1664.2	86.4
0°-90°	1926.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1926.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	787	
5°	783	75
15°	752	212
25°	693	319
35°	606	378
45°	490	376
55°	338	303
65°	184	184
75°	62	68
85°	8	10
90°	0	



TEST NUMBER: P204770

CATALOG NUMBER: LE_6B15D010 EC6B10208027 6LBCSMW1

CANDELA DISTRIBUTION (FULL):

	0°
0°	786.6
2.5°	786.6
5°	783.1
7.5°	780.9
10°	773.9
12.5°	762.1
15°	751.6
17.5°	740.0
20°	726.0
22.5°	712.0
25°	693.2
27.5°	673.5
30°	651.2
32.5°	630.2
35°	605.8
37.5°	580.1
40°	549.8
42.5°	520.5
45°	490.2
47.5°	456.4
50°	419.0
52.5°	380.5
55°	338.5
57.5°	301.1
60°	259.1
62.5°	221.8
65°	184.4
67.5°	149.4
70°	116.8
72.5°	87.5
75°	61.9
77.5°	39.6
80°	23.4
82.5°	14.0
85°	8.1
87.5°	3.5
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)