

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: P204777

Luminaire Tested: **LE_6B15D010 EC6B10209035 6LBCSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204777
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 EC6B10209035 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: 1743.7 lumens
Efficiency: N/A
Efficacy: 121.9 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

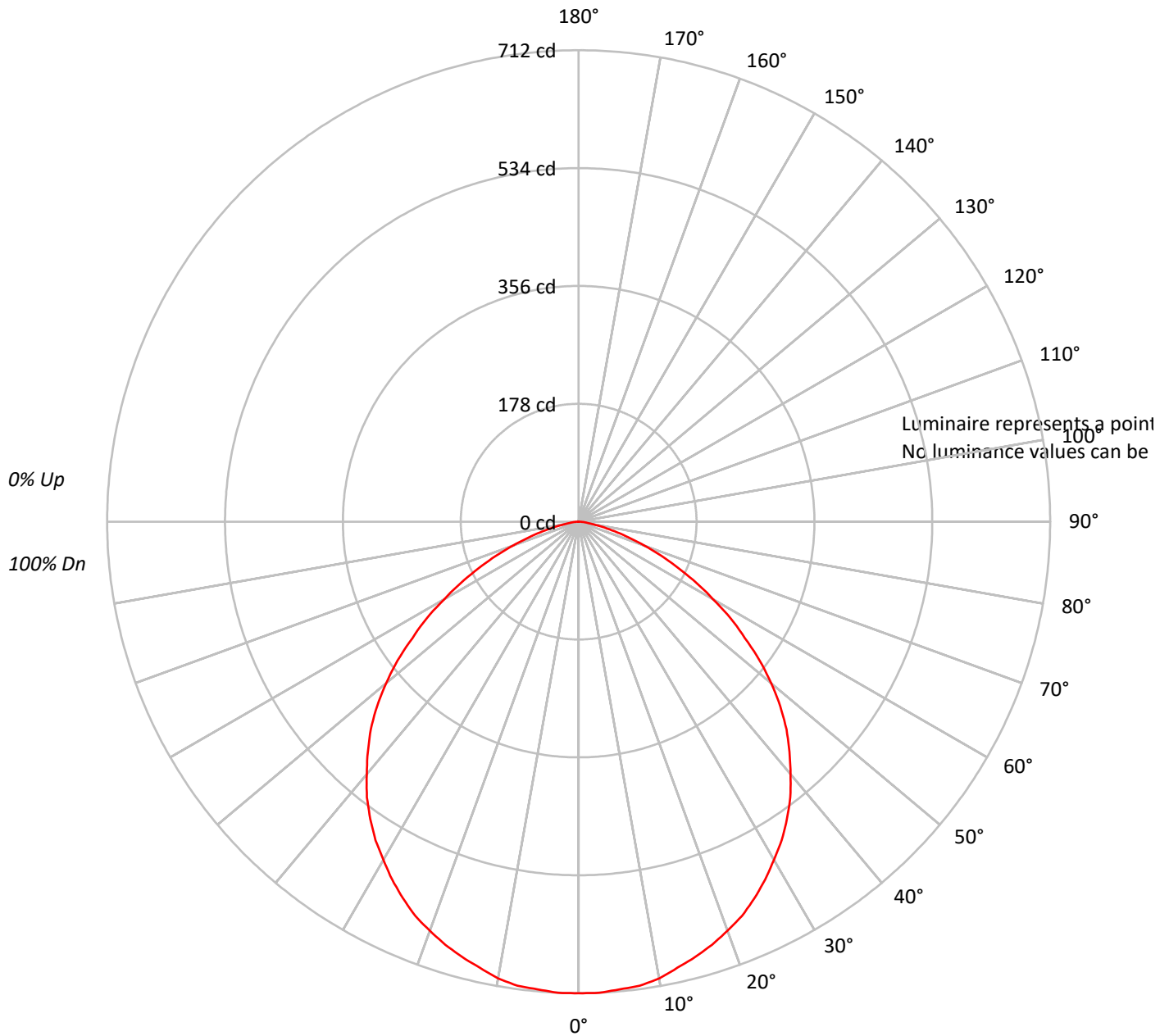
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204777

CATALOG NUMBER: LE_6B15D010 EC6B10209035 6LBCSMW1

Luminous Intensity Polar Plot





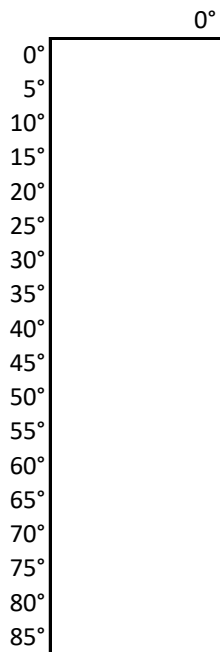
TEST NUMBER: P204777

CATALOG NUMBER: LE_6B15D010 EC6B10209035 6LBCSMW1

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		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: P204777

CATALOG NUMBER: LE_6B15D010 EC6B10209035 6LBCSMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.5	3.9
10°-20°	192.1	11.0
20°-30°	289.0	16.6
30°-40°	342.5	19.6
40°-50°	340.8	19.5
50°-60°	274.8	15.8
60°-70°	166.2	9.5
70°-80°	61.7	3.5
80°-90°	9.2	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°	548.6	31.5
0°-40°	891.0	51.1
0°-60°	1506.6	86.4
0°-90°	1743.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1743.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	712	
5°	709	67
15°	680	192
25°	628	289
35°	548	342
45°	444	341
55°	306	275
65°	167	166
75°	56	62
85°	7	9
90°	0	



TEST NUMBER: P204777

CATALOG NUMBER: LE_6B15D010 EC6B10209035 6LBCSMW1

CANDELA DISTRIBUTION (FULL):

	0°
0°	712.2
2.5°	712.2
5°	709.0
7.5°	706.9
10°	700.6
12.5°	690.0
15°	680.5
17.5°	669.9
20°	657.2
22.5°	644.6
25°	627.6
27.5°	609.8
30°	589.6
32.5°	570.6
35°	548.4
37.5°	525.1
40°	497.8
42.5°	471.2
45°	443.8
47.5°	413.1
50°	379.4
52.5°	344.5
55°	306.5
57.5°	272.6
60°	234.6
62.5°	200.8
65°	167.0
67.5°	135.2
70°	105.6
72.5°	79.2
75°	56.0
77.5°	35.9
80°	21.1
82.5°	12.6
85°	7.4
87.5°	3.1
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)