

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: P204779

Luminaire Tested: **LE_6B15D010 EC6B10209050 6LBCSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204779
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 6LBSCMW1
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: 1753.6 lumens
Efficiency: N/A
Efficacy: 122.6 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

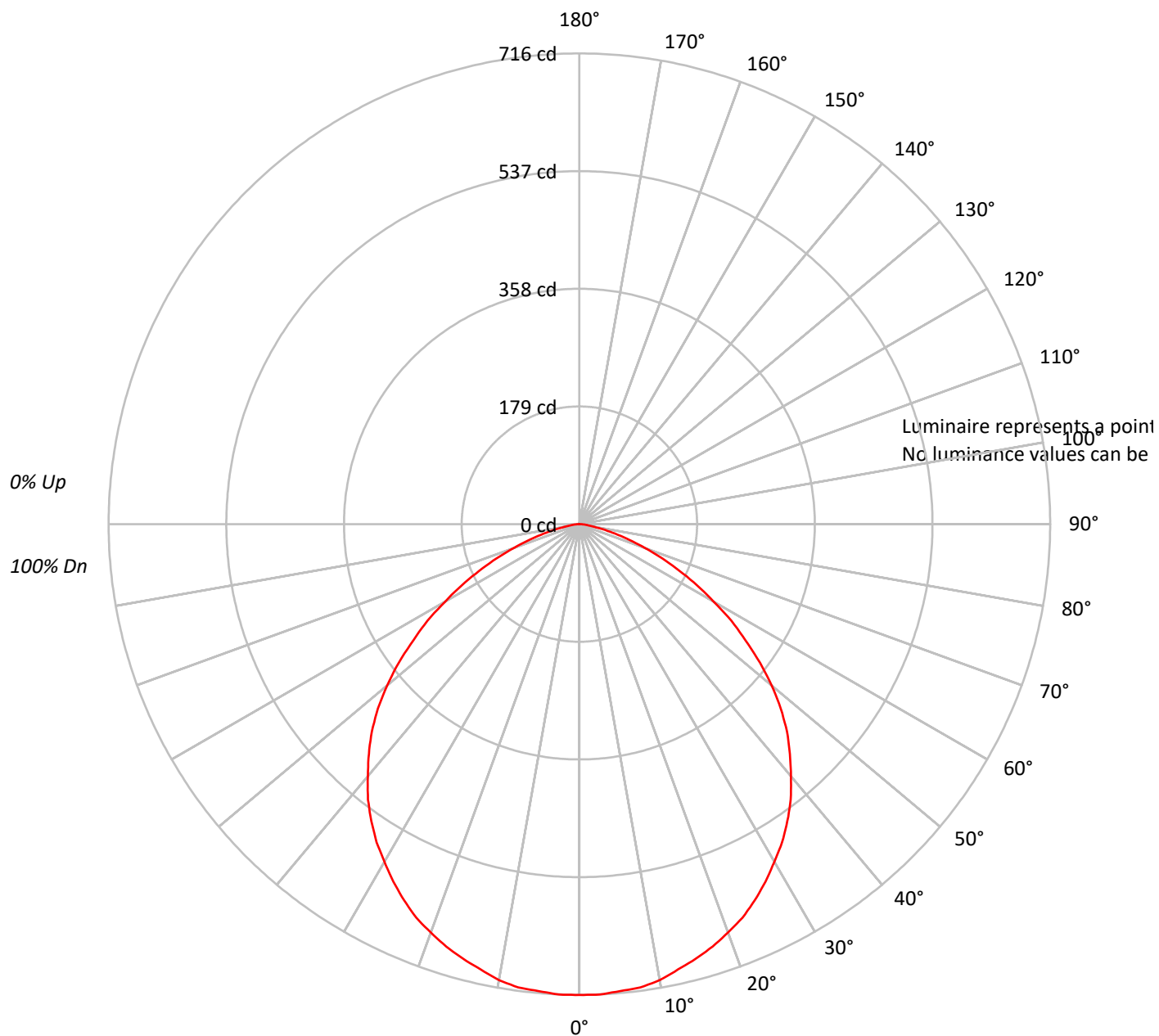
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.9	3.9
10°-20°	193.2	11.0
20°-30°	290.6	16.6
30°-40°	344.4	19.6
40°-50°	342.8	19.5
50°-60°	276.3	15.8
60°-70°	167.1	9.5
70°-80°	62.1	3.5
80°-90°	9.3	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°	551.7	31.5
0°-40°	896.1	51.1
0°-60°	1515.1	86.4
0°-90°	1753.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1753.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	716	
5°	713	68
15°	684	193
25°	631	291
35°	552	344
45°	446	343
55°	308	276
65°	168	167
75°	56	62
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	716.2
2.5°	716.2
5°	713.0
7.5°	710.9
10°	704.5
12.5°	693.9
15°	684.4
17.5°	673.8
20°	661.0
22.5°	648.2
25°	631.2
27.5°	613.1
30°	593.0
32.5°	573.9
35°	551.5
37.5°	528.1
40°	500.5
42.5°	474.0
45°	446.4
47.5°	415.5
50°	381.5
52.5°	346.4
55°	308.1
57.5°	274.1
60°	235.9
62.5°	201.9
65°	167.9
67.5°	136.0
70°	106.2
72.5°	79.8
75°	56.4
77.5°	36.1
80°	21.2
82.5°	12.8
85°	7.5
87.5°	3.2
90°	0.0



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— 0°-180°







(END OF REPORT)