

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: P204551

Luminaire Tested: **LE_6B10D010 EC6B10208035 6LBSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204551
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_6B10D010 EC6B10208035 6LBSMW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH MATTE WHITE TRIM
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W
DL3-11.1 W DLE-11.39 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1478.8 lumens
Efficiency: N/A
Efficacy: 149.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

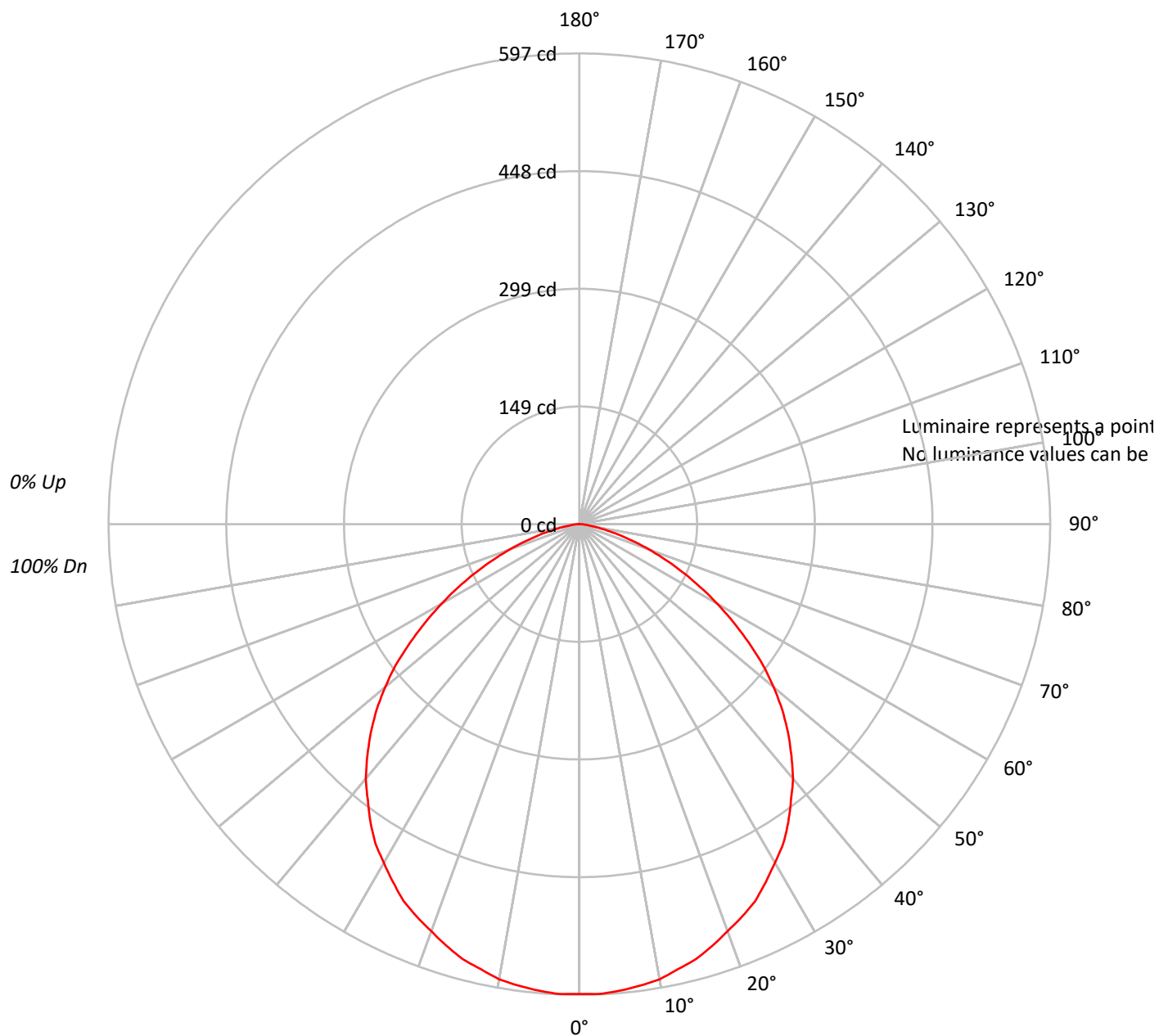
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	104	100	97	99	97	94		96	93	91		92
2	101	93	87	82	98	92	86	81	88	83	79		85	81	77		82
3	93	83	75	69	90	81	74	69	78	72	67		76	70	66		73
4	85	74	66	59	83	72	65	59	70	63	58		68	62	57		66
5	78	66	58	51	76	65	57	51	63	56	51		61	55	50		59
6	73	60	51	45	71	59	51	45	57	50	44		55	49	44		54
7	67	54	46	40	66	54	46	40	52	45	40		51	44	39		49
8	63	50	41	36	61	49	41	36	48	41	35		46	40	35		45
9	59	46	38	32	57	45	37	32	44	37	32		43	36	32		42
10	55	42	34	29	54	42	34	29	41	34	29		40	33	29		39

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.4	3.8
10°-20°	160.9	10.9
20°-30°	242.4	16.4
30°-40°	288.4	19.5
40°-50°	287.9	19.5
50°-60°	234.1	15.8
60°-70°	144.0	9.7
70°-80°	55.8	3.8
80°-90°	8.9	0.6
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°	459.7	31.1
0°-40°	748.1	50.6
0°-60°	1270.1	85.9
0°-90°	1478.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1478.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	596	
5°	594	56
15°	571	161
25°	528	242
35°	462	288
45°	374	288
55°	262	234
65°	145	144
75°	51	56
85°	7	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	595.8
2.5°	596.6
5°	594.0
7.5°	590.5
10°	586.1
12.5°	578.2
15°	571.2
17.5°	560.8
20°	549.4
22.5°	538.9
25°	527.5
27.5°	511.8
30°	495.9
32.5°	481.0
35°	461.8
37.5°	440.8
40°	421.5
42.5°	397.8
45°	374.1
47.5°	348.8
50°	321.5
52.5°	293.5
55°	262.0
57.5°	231.4
60°	201.5
62.5°	172.6
65°	144.6
67.5°	118.2
70°	93.8
72.5°	71.0
75°	50.9
77.5°	33.2
80°	20.1
82.5°	12.2
85°	7.0
87.5°	3.5
90°	0.0



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— 0°-180°







(END OF REPORT)