

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: P203604

Luminaire Tested: **LE_6B60D010R EC6B60709035 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203604
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_6B60D010R EC6B60709035 6LBMMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5186.2 lumens
Efficiency: N/A
Efficacy: 83.0 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

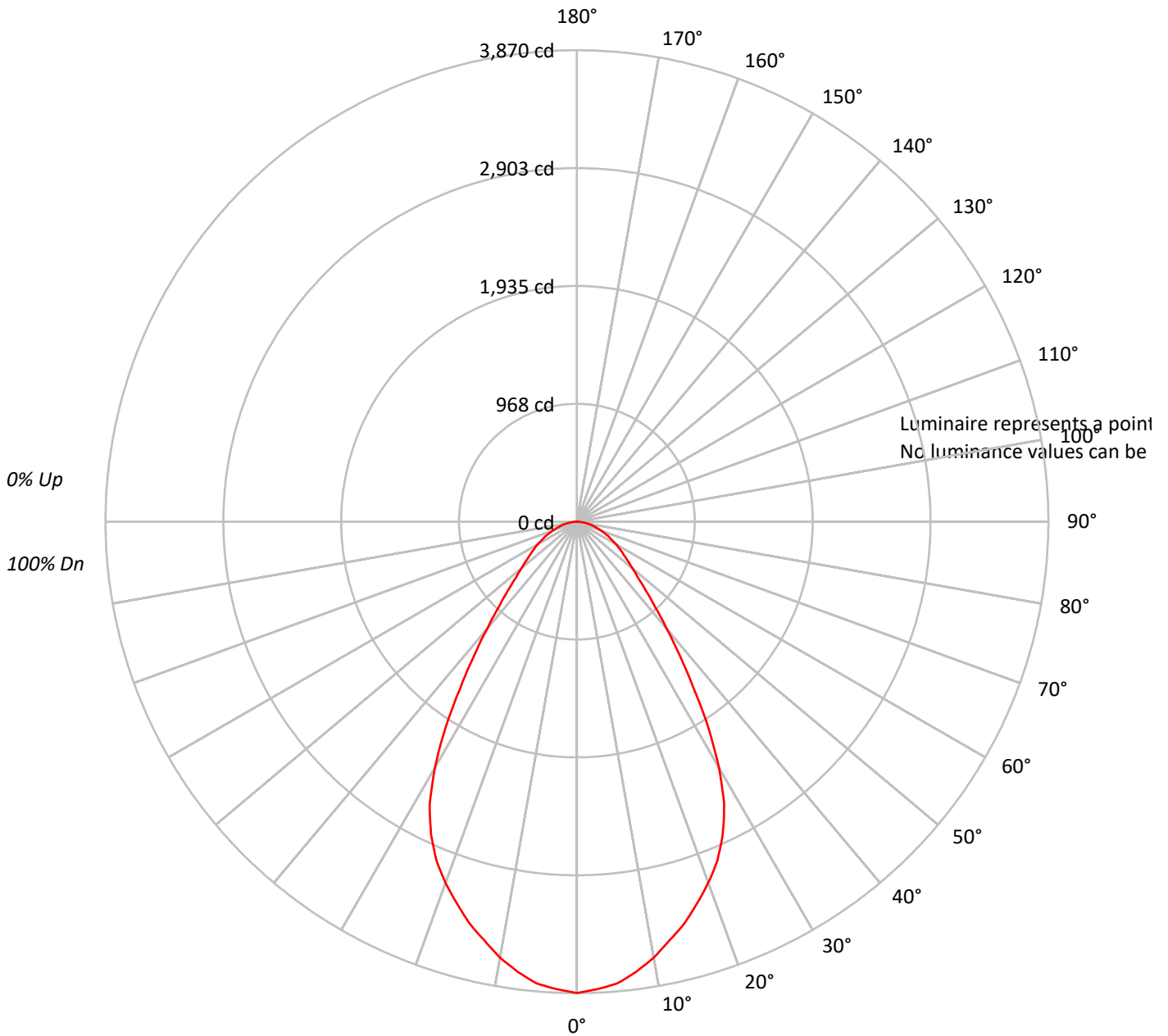
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20									20
RC	80									70									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																														
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																												
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89																												
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79																												
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71																												
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64																												
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58																												
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53																												
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48																												
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44																												
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41																												
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38																												

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.5	6.9
10°-20°	957.5	18.5
20°-30°	1285.7	24.8
30°-40°	1054.6	20.3
40°-50°	633.3	12.2
50°-60°	420.9	8.1
60°-70°	282.1	5.4
70°-80°	151.8	2.9
80°-90°	42.8	0.8
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°	2600.6	50.1
0°-40°	3655.3	70.5
0°-60°	4709.5	90.8
0°-90°	5186.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5186.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3870	
5°	3805	357
15°	3412	957
25°	2832	1286
35°	1674	1055
45°	801	633
55°	465	421
65°	286	282
75°	143	152
85°	36	43
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3869.8
2.5°	3841.1
5°	3805.4
7.5°	3726.6
10°	3633.6
12.5°	3519.2
15°	3411.9
17.5°	3283.1
20°	3154.4
22.5°	3011.4
25°	2832.5
27.5°	2618.0
30°	2331.9
32.5°	2010.0
35°	1673.8
37.5°	1387.6
40°	1144.5
42.5°	951.4
45°	801.1
47.5°	679.5
50°	593.8
52.5°	522.1
55°	464.9
57.5°	414.9
60°	372.0
62.5°	321.9
65°	286.1
67.5°	243.2
70°	207.4
72.5°	171.6
75°	143.0
77.5°	114.5
80°	85.9
82.5°	64.4
85°	35.8
87.5°	14.2
90°	0.0



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— 0°-180°







(END OF REPORT)