

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: P203188

Luminaire Tested: **LE_6B60D010R EC6B60708050 6LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203188
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 EC6B60708050 6LBWMW1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE 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: 7304.6 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

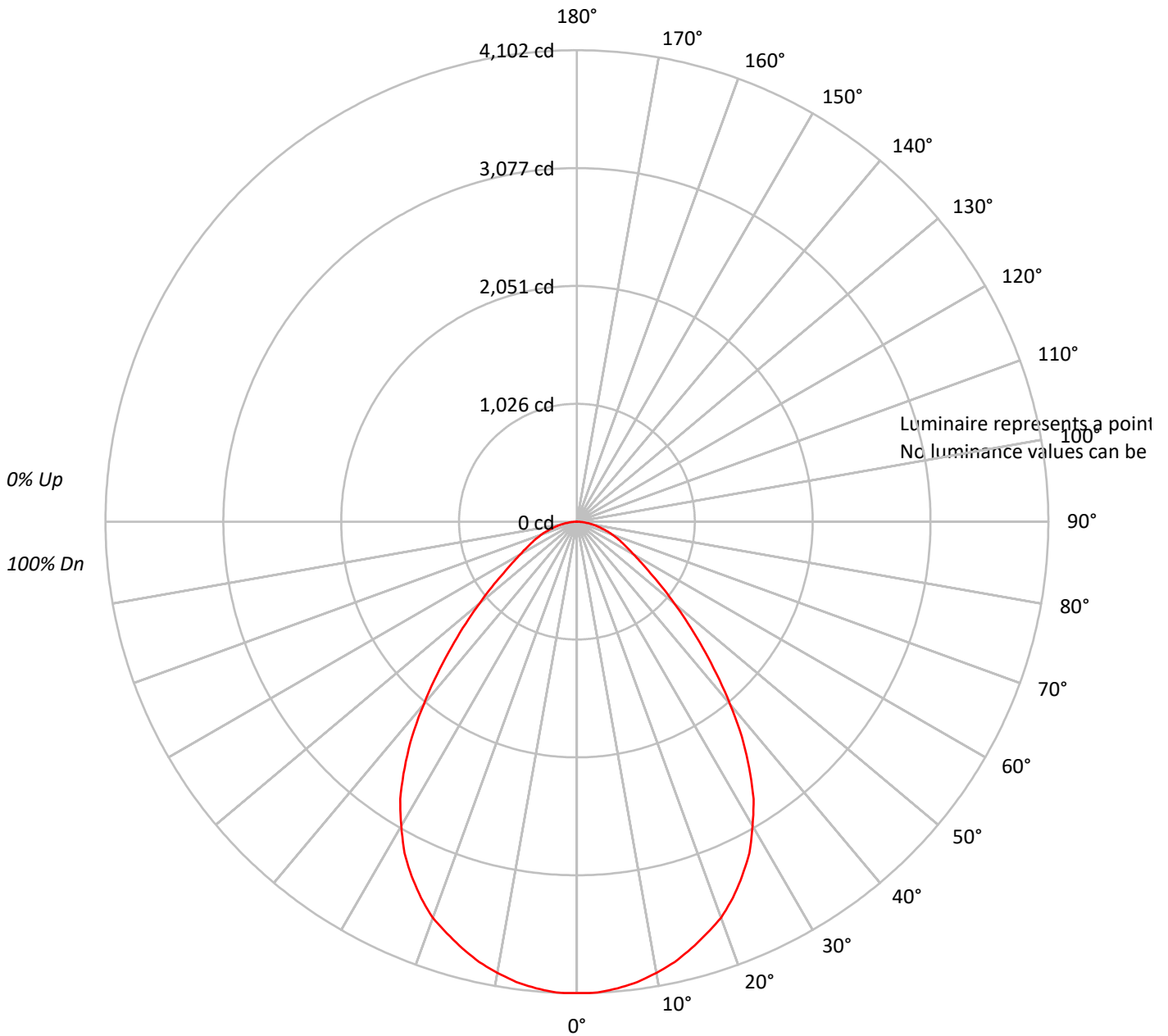
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88																			
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77																			
3	95	86	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68																			
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60																			
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54																			
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49																			
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44																			
8	67	55	48	42	66	55	47	42	53	47	42	52	46	42	51	46	42	40																			
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37																			
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34																			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	386.3	5.3
10°-20°	1083.4	14.8
20°-30°	1561.0	21.4
30°-40°	1620.6	22.2
40°-50°	1198.2	16.4
50°-60°	715.7	9.8
60°-70°	434.9	6.0
70°-80°	238.2	3.3
80°-90°	66.3	0.9
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°	3030.6	41.5
0°-40°	4651.3	63.7
0°-60°	6565.2	89.9
0°-90°	7304.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7304.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4102	
5°	4076	386
15°	3845	1083
25°	3402	1561
35°	2614	1621
45°	1542	1198
55°	780	716
65°	434	435
75°	222	238
85°	53	66
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4102.0
2.5°	4102.0
5°	4075.5
7.5°	4040.0
10°	3986.9
12.5°	3924.9
15°	3845.1
17.5°	3756.5
20°	3667.9
22.5°	3543.9
25°	3402.1
27.5°	3251.5
30°	3056.6
32.5°	2861.6
35°	2613.6
37.5°	2356.6
40°	2073.1
42.5°	1798.5
45°	1541.6
47.5°	1311.2
50°	1107.5
52.5°	930.2
55°	779.6
57.5°	664.5
60°	567.0
62.5°	496.1
65°	434.1
67.5°	381.0
70°	327.8
72.5°	274.6
75°	221.5
77.5°	177.2
80°	132.9
82.5°	97.5
85°	53.1
87.5°	26.6
90°	0.0



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— 0°-180°







(END OF REPORT)