

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: P203116

Luminaire Tested: **LE_6B10D010 EC6B10209050 6LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203116
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 EC6B10209050 6LBWMW1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE 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: 1094.2 lumens
Efficiency: N/A
Efficacy: 110.5 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

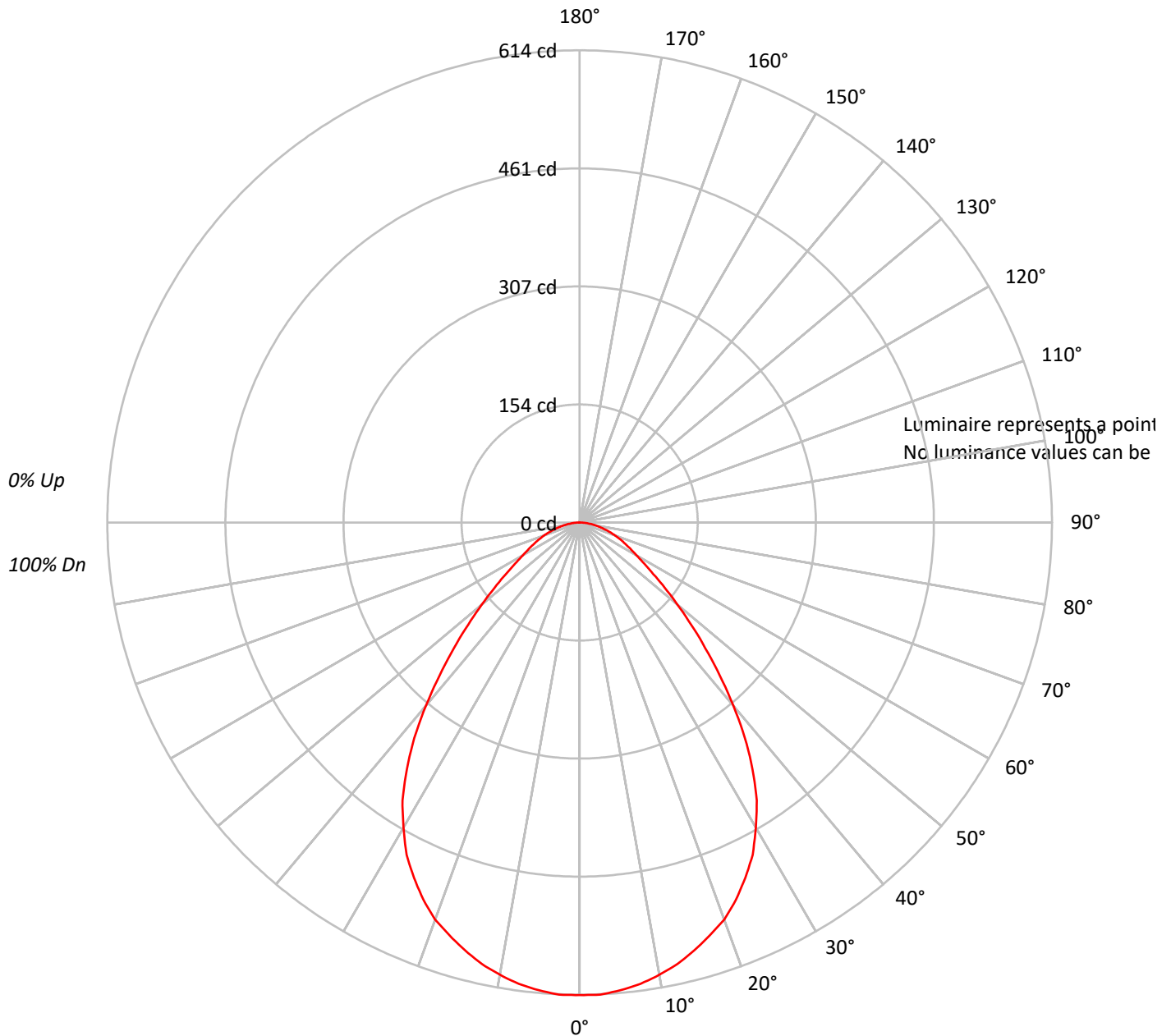
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	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°	57.9	5.3
10°-20°	162.3	14.8
20°-30°	233.8	21.4
30°-40°	242.8	22.2
40°-50°	179.5	16.4
50°-60°	107.2	9.8
60°-70°	65.2	6.0
70°-80°	35.6	3.3
80°-90°	9.9	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°	454.0	41.5
0°-40°	696.8	63.7
0°-60°	983.5	89.9
0°-90°	1094.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1094.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	614	
5°	610	58
15°	576	162
25°	510	234
35°	392	243
45°	231	179
55°	117	107
65°	65	65
75°	33	36
85°	8	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	614.5
2.5°	614.5
5°	610.5
7.5°	605.2
10°	597.2
12.5°	588.0
15°	576.0
17.5°	562.8
20°	549.5
22.5°	530.9
25°	509.6
27.5°	487.1
30°	457.9
32.5°	428.6
35°	391.5
37.5°	353.0
40°	310.5
42.5°	269.4
45°	230.9
47.5°	196.4
50°	165.9
52.5°	139.4
55°	116.8
57.5°	99.5
60°	85.0
62.5°	74.4
65°	65.0
67.5°	57.1
70°	49.1
72.5°	41.1
75°	33.1
77.5°	26.5
80°	19.9
82.5°	14.6
85°	8.0
87.5°	4.0
90°	0.0



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— 0°-180°







(END OF REPORT)