

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: P35124

Luminaire Tested: **LE_6B10D010 EC6B10209027 6LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P35124
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B10D010 EC6B10209027 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: 1030.7 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

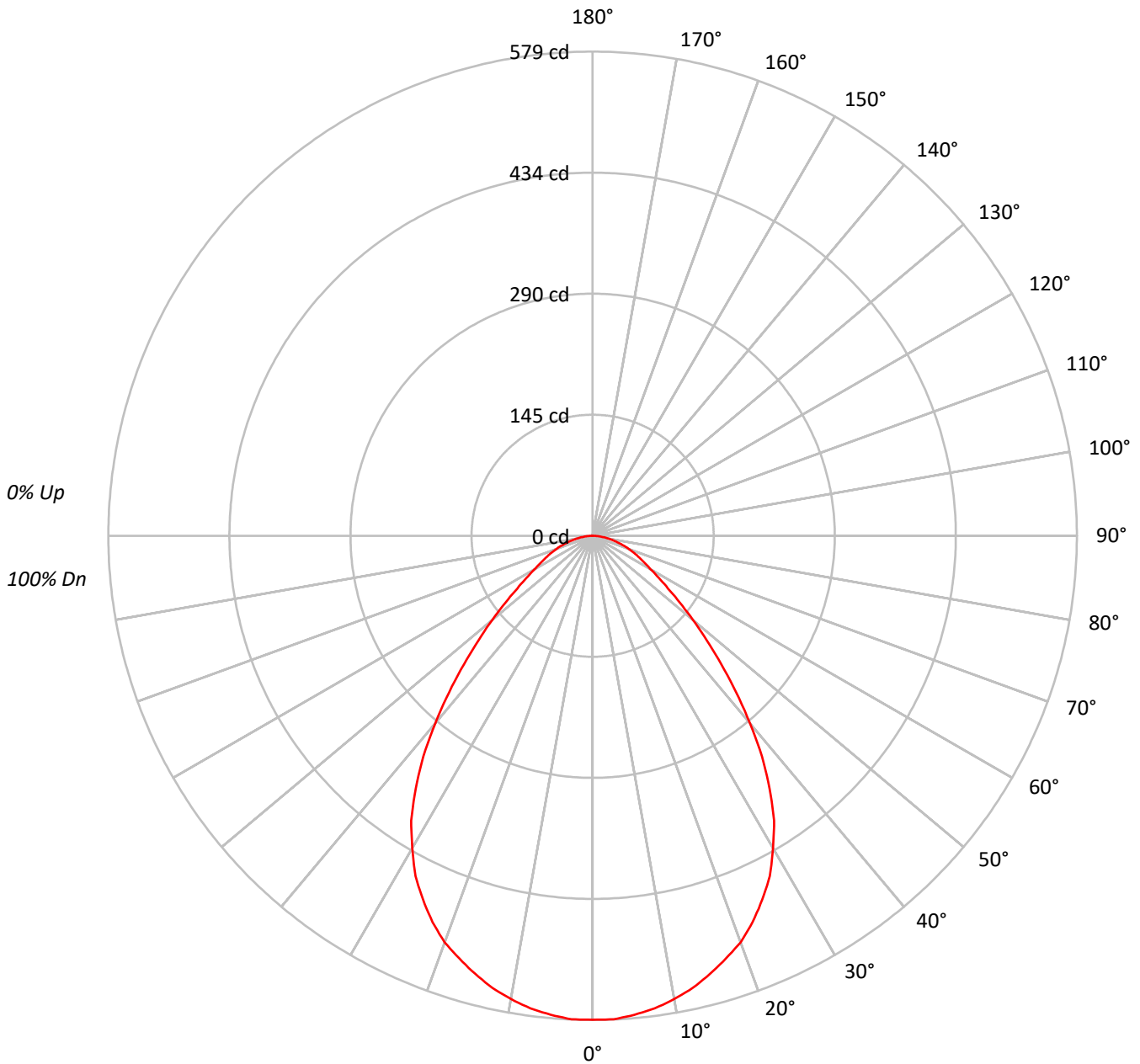
Input Watts (W): 9.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	37761
5°	37657
10°	37264
15°	36642
20°	35929
25°	34553
30°	32484
35°	29373
40°	24911
45°	20067
50°	15854
55°	12512
60°	10439
65°	9448
70°	8813
75°	7865
80°	7063
85°	5614



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.5	5.3
10°-20°	152.9	14.8
20°-30°	220.2	21.4
30°-40°	228.7	22.2
40°-50°	169.1	16.4
50°-60°	101.0	9.8
60°-70°	61.4	6.0
70°-80°	33.6	3.3
80°-90°	9.4	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°	427.6	41.5
0°-40°	656.3	63.7
0°-60°	926.3	89.9
0°-90°	1030.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1030.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	579	
5°	575	55
15°	542	153
25°	480	220
35°	369	229
45°	218	169
55°	110	101
65°	61	61
75°	31	34
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	578.8
2.5°	578.8
5°	575.0
7.5°	570.0
10°	562.5
12.5°	553.8
15°	542.5
17.5°	530.0
20°	517.5
22.5°	500.0
25°	480.0
27.5°	458.8
30°	431.2
32.5°	403.8
35°	368.8
37.5°	332.5
40°	292.5
42.5°	253.8
45°	217.5
47.5°	185.0
50°	156.2
52.5°	131.2
55°	110.0
57.5°	93.8
60°	80.0
62.5°	70.0
65°	61.2
67.5°	53.8
70°	46.2
72.5°	38.8
75°	31.2
77.5°	25.0
80°	18.8
82.5°	13.8
85°	7.5
87.5°	3.8
90°	0.0



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— 0°-180°







(END OF REPORT)