

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: P35130

Luminaire Tested: **LE_6B10D010 EC6B10209027 6LBNH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P35130
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B10D010 EC6B10209027 6LBNH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH SEMI-SPECULAR CLEAR 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: 685.4 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

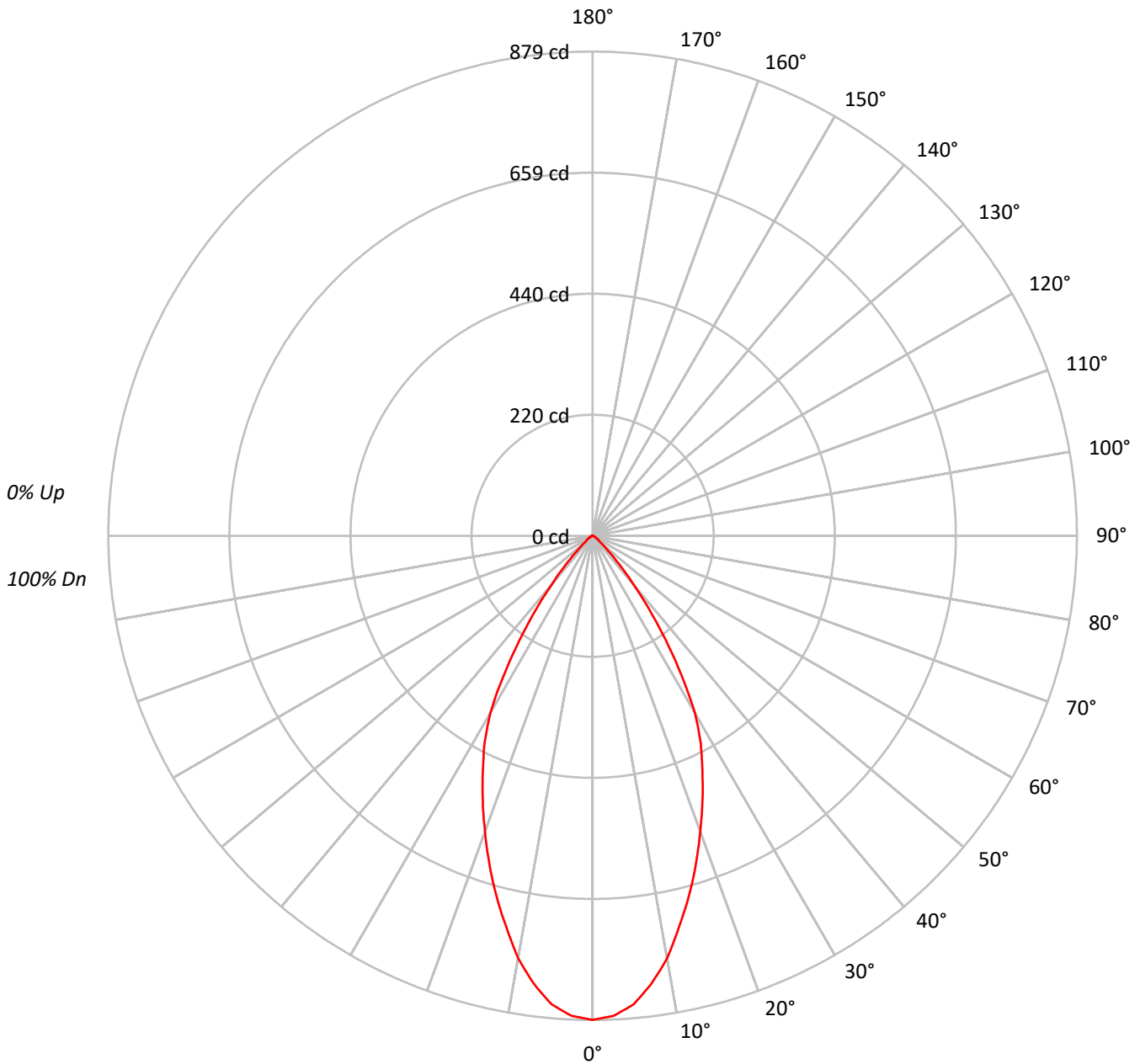
Input Watts (W): 9.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P35130

CATALOG NUMBER: LE_6B10D010 EC6B10209027 6LBNH1

Luminous Intensity Polar Plot





TEST NUMBER: P35130

CATALOG NUMBER: LE_6B10D010 EC6B10209027 6LBNH1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70			
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58			
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54			
10	72	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	57333
5°	55915
10°	51593
15°	45672
20°	39657
25°	33919
30°	27964
35°	18414
40°	9896
45°	4383
50°	1776
55°	1274
60°	809
65°	587
70°	477
75°	302
80°	451
85°	0



TEST NUMBER: P35130

CATALOG NUMBER: LE_6B10D010 EC6B10209027 6LBNH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.0	11.5
10°-20°	188.4	27.5
20°-30°	215.9	31.5
30°-40°	145.0	21.2
40°-50°	41.4	6.0
50°-60°	10.1	1.5
60°-70°	3.9	0.6
70°-80°	1.4	0.2
80°-90°	0.2	0.0
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°	483.3	70.5
0°-40°	628.4	91.7
0°-60°	680.0	99.2
0°-90°	685.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	685.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	879	
5°	854	79
15°	676	188
25°	471	216
35°	231	145
45°	48	41
55°	11	10
65°	4	4
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P35130

CATALOG NUMBER: LE_6B10D010 EC6B10209027 6LBNH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	878.8
2.5°	872.5
5°	853.8
7.5°	820.0
10°	778.8
12.5°	726.2
15°	676.2
17.5°	623.8
20°	571.2
22.5°	521.2
25°	471.2
27.5°	425.0
30°	371.2
32.5°	300.0
35°	231.2
37.5°	168.8
40°	116.2
42.5°	76.2
45°	47.5
47.5°	28.8
50°	17.5
52.5°	13.8
55°	11.2
57.5°	8.8
60°	6.2
62.5°	5.0
65°	3.8
67.5°	2.5
70°	2.5
72.5°	1.2
75°	1.2
77.5°	1.2
80°	1.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)