

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: P35144

Luminaire Tested: **LE_6B15D010 EC6B10208035 6LBCS1MMS**

Test Date: 10/04/16

Test Information

Test Method: LM-41-14
Report Number: P35144
Test Lab: INNOVATION CENTER-P3
Test Date: 10/04/16
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B15D010 EC6B10208035 6LBCS1MMS
Description: PORTFOLIO 6 INCH 80 DEGREE CUTOFF SHALLOW RECESSED DOWNLIGHT
Light Source: (1) CITIZEN 3500K LED, 80CRI
CLU038-1205
Ballast/Driver: (1) EATON ELECTRONIC DRIVER
LD4B15D010

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1932.5 lumens
Efficiency: N/A
Efficacy: 138.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.27
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

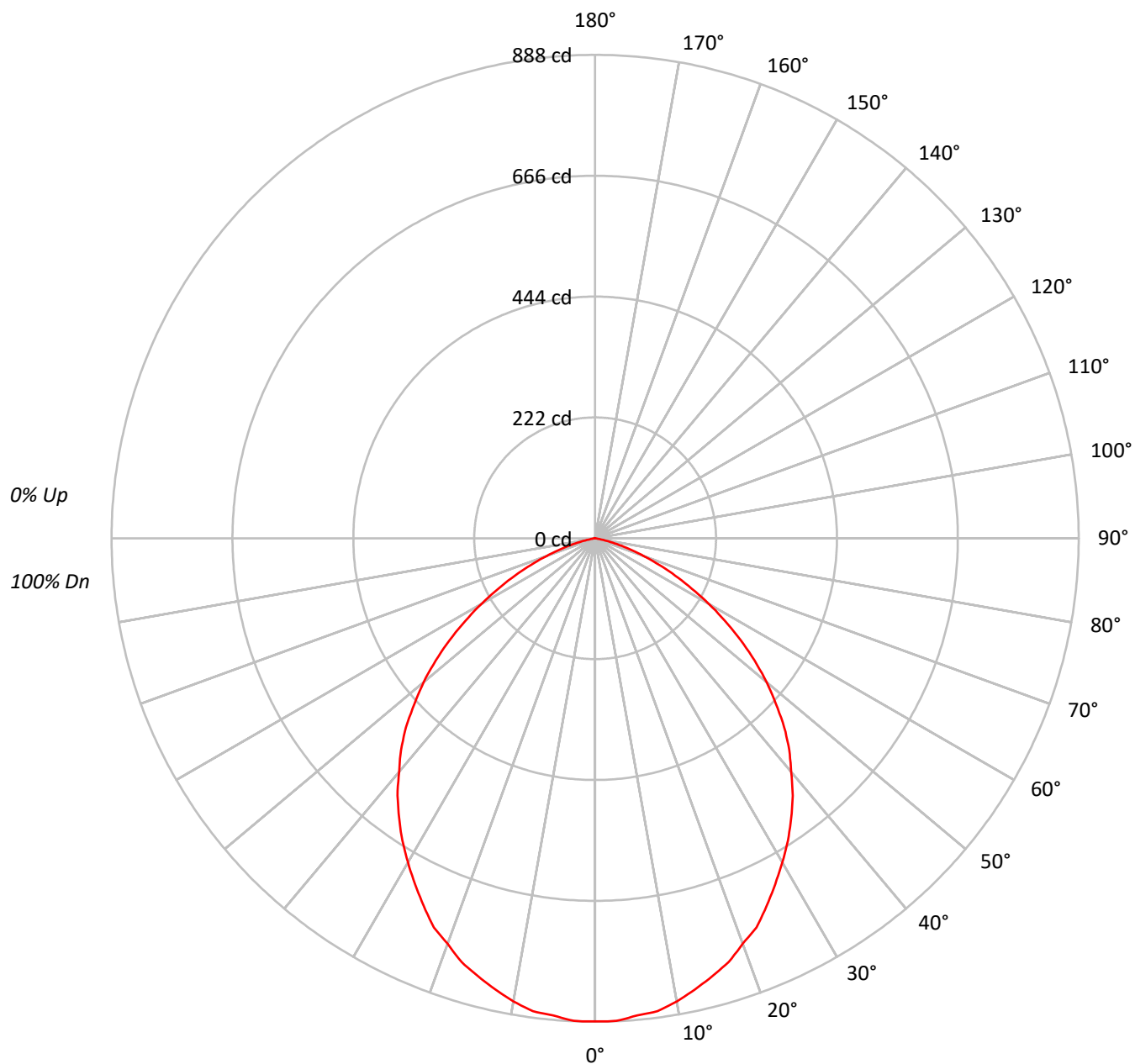
Input Watts (W): 14
Input Voltage (V): 120.0
Input Current (A_{in}): 0.117
Voltage Rise (V): NR
Power Factor: 0.9985
Total Harmonic Distortion (THDi): 7.76%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 5 HR
Ambient Temperature (°C): 24.3
Test Distance: 25 FT



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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					10
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	107	103	100		108	105	101	98		100	98	95		97	94	92		93	91	90
2	102	95	89	84		100	93	88	83		90	85	81		86	83	79		83	80	78
3	94	85	77	72		92	83	76	71		80	74	70		77	73	69		75	71	67
4	87	76	68	62		84	74	67	61		72	66	61		70	64	60		68	63	59
5	80	68	60	54		78	67	59	54		65	58	53		63	57	53		61	56	52
6	74	62	54	48		72	61	53	47		59	52	47		58	51	47		56	51	46
7	69	56	48	42		67	56	48	42		54	47	42		53	46	42		51	46	41
8	64	52	44	38		63	51	43	38		50	43	38		48	42	38		47	42	37
9	60	48	40	35		59	47	40	34		46	39	34		45	39	34		44	38	34
10	57	44	36	31		55	43	36	31		43	36	31		42	35	31		41	35	31

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	57901
5°	57631
10°	57224
15°	56229
20°	55021
25°	53629
30°	51792
35°	49977
40°	47693
45°	45320
50°	41735
55°	37103
60°	31472
65°	25086
70°	18121
75°	10385
80°	2818
85°	898



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.6	4.3
10°-20°	234.7	12.1
20°-30°	342.8	17.7
30°-40°	392.1	20.3
40°-50°	376.8	19.5
50°-60°	290.9	15.1
60°-70°	162.4	8.4
70°-80°	47.2	2.4
80°-90°	2.0	0.1
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°	661.1	34.2
0°-40°	1053.2	54.5
0°-60°	1720.9	89.0
0°-90°	1932.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1932.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	888	
5°	880	84
15°	832	235
25°	745	343
35°	628	392
45°	491	377
55°	326	291
65°	162	162
75°	41	47
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	887.5
2.5°	887.5
5°	880.0
7.5°	876.2
10°	863.8
12.5°	848.8
15°	832.5
17.5°	816.2
20°	792.5
22.5°	773.8
25°	745.0
27.5°	716.2
30°	687.5
32.5°	658.8
35°	627.5
37.5°	596.2
40°	560.0
42.5°	527.5
45°	491.2
47.5°	450.0
50°	411.2
52.5°	368.8
55°	326.2
57.5°	282.5
60°	241.2
62.5°	200.0
65°	162.5
67.5°	127.5
70°	95.0
72.5°	66.2
75°	41.2
77.5°	21.2
80°	7.5
82.5°	2.5
85°	1.2
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)