

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: P202713

Luminaire Tested: **LE_6B15D010 EC6B10209027 6LBWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202713
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_6B15D010 EC6B10209027 6LBWH1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
WATTAGE D010TR-14.39 W DE010-14.29 W D5LT-14.34 W DMX-14.46 W DL2-15.8 W
DL3-15.28 W DLE-15.432 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1331.7 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

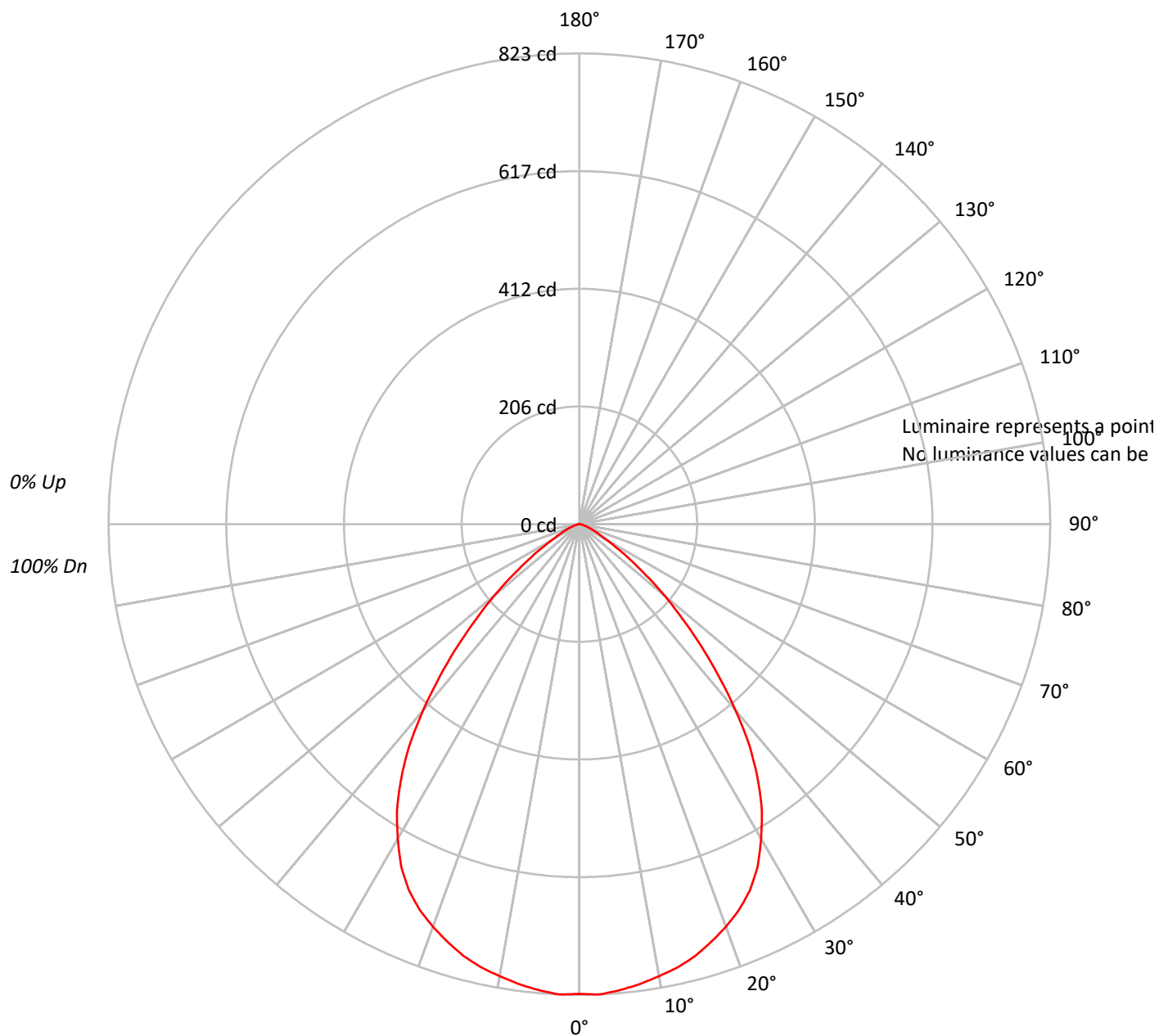
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





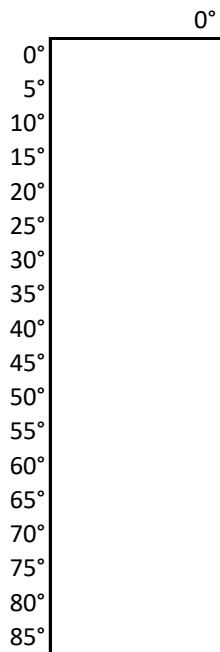
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	103	110	107	104	101	103	100	98		99	97	95		95
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88
3	98	90	84	79	96	89	83	78	86	81	77		83	79	76		81
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	75	68	63	84	74	68	63	72	66	62		71	65	61		69
6	80	69	62	57	78	68	61	56	67	61	56		65	60	56		64
7	75	64	56	51	73	63	56	51	62	55	51		60	55	51		59
8	70	59	52	47	69	58	51	47	57	51	46		56	50	46		55
9	66	55	48	43	65	54	47	43	53	47	43		52	47	42		51
10	62	51	44	40	61	50	44	39	50	43	39		49	43	39		48

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.6	5.8
10°-20°	220.1	16.5
20°-30°	322.8	24.2
30°-40°	335.9	25.2
40°-50°	232.4	17.4
50°-60°	101.2	7.6
60°-70°	31.1	2.3
70°-80°	9.3	0.7
80°-90°	1.5	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°	620.5	46.6
0°-40°	956.4	71.8
0°-60°	1289.9	96.9
0°-90°	1331.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1331.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	821	
5°	818	78
15°	782	220
25°	706	323
35°	544	336
45°	300	232
55°	109	101
65°	29	31
75°	9	9
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	821.4
2.5°	823.1
5°	817.9
7.5°	811.0
10°	802.4
12.5°	793.8
15°	781.8
17.5°	766.1
20°	748.9
22.5°	729.9
25°	705.8
27.5°	674.8
30°	635.0
32.5°	593.6
35°	543.5
37.5°	488.4
40°	424.5
42.5°	360.6
45°	300.2
47.5°	243.2
50°	193.2
52.5°	146.6
55°	108.8
57.5°	77.6
60°	53.5
62.5°	39.8
65°	29.4
67.5°	22.4
70°	15.5
72.5°	12.1
75°	8.6
77.5°	5.1
80°	3.5
82.5°	1.8
85°	1.8
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)