

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: P202708

Luminaire Tested: **LE_6B15D010 EC6B10208030 6LBWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202708
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 EC6B10208030 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: 1620.8 lumens
Efficiency: N/A
Efficacy: 113.3 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

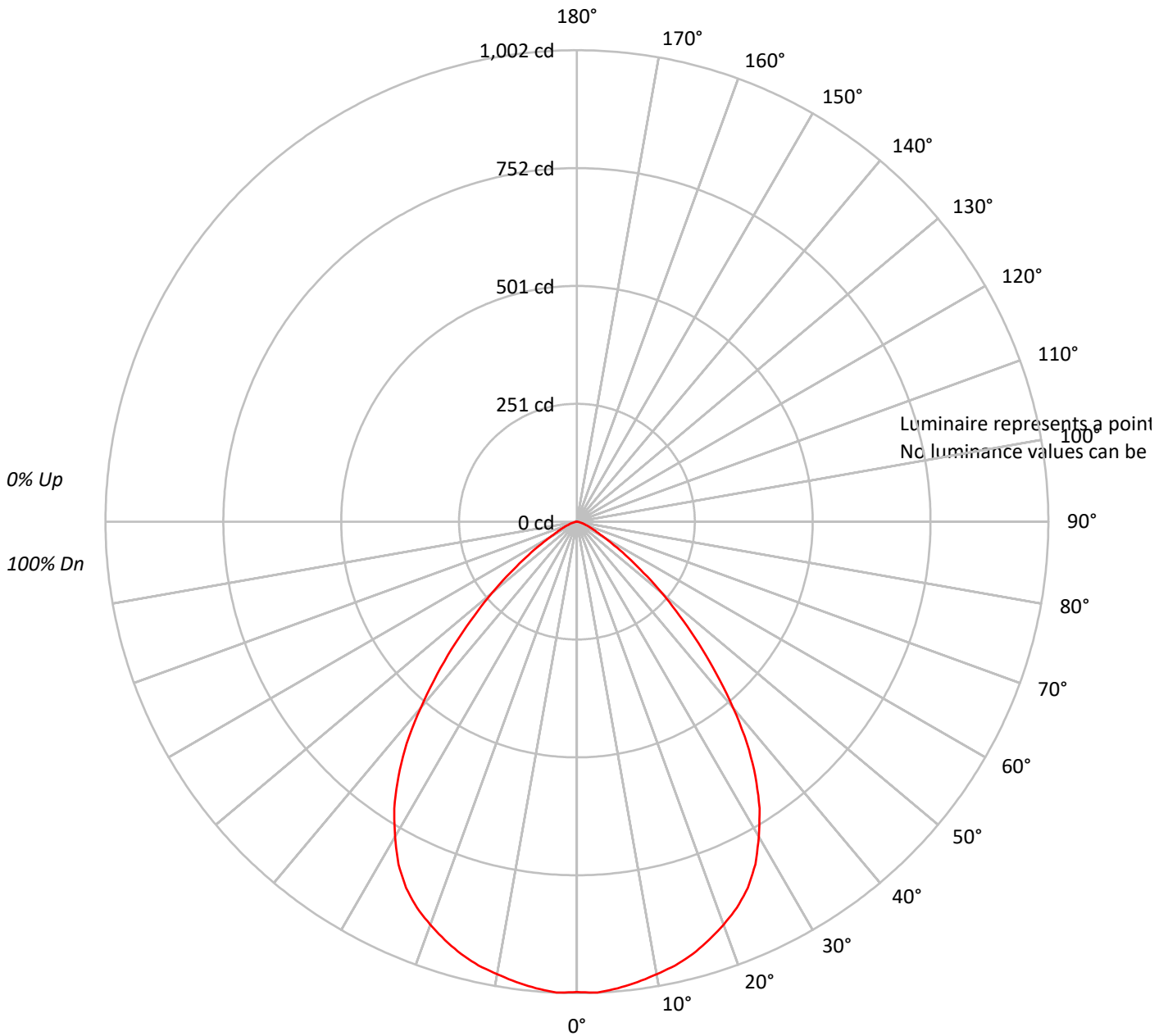
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									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	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	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91																												
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81																												
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73																												
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65																												
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59																												
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53																												
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49																												
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44																												
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41																												
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38																												

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.4	5.8
10°-20°	267.9	16.5
20°-30°	392.8	24.2
30°-40°	408.8	25.2
40°-50°	282.9	17.5
50°-60°	123.2	7.6
60°-70°	37.7	2.3
70°-80°	11.3	0.7
80°-90°	1.7	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°	755.2	46.6
0°-40°	1164.0	71.8
0°-60°	1570.0	96.9
0°-90°	1620.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1620.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1000	
5°	996	94
15°	951	268
25°	859	393
35°	662	409
45°	366	283
55°	132	123
65°	36	38
75°	10	11
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	999.8
2.5°	1001.9
5°	995.5
7.5°	987.1
10°	976.6
12.5°	966.1
15°	951.4
17.5°	932.5
20°	911.5
22.5°	888.4
25°	859.0
27.5°	821.2
30°	772.9
32.5°	722.5
35°	661.6
37.5°	594.4
40°	516.6
42.5°	439.0
45°	365.5
47.5°	296.1
50°	235.2
52.5°	178.5
55°	132.4
57.5°	94.5
60°	65.1
62.5°	48.2
65°	35.8
67.5°	27.2
70°	18.9
72.5°	14.8
75°	10.5
77.5°	6.2
80°	4.2
82.5°	2.1
85°	2.1
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)