

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: P202810

Luminaire Tested: **LE_6B15D010 EC6B10208027 6LBWWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202810
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 EC6B10208027 6LBWWH1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH WHEAT 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: 1603.2 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.18
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

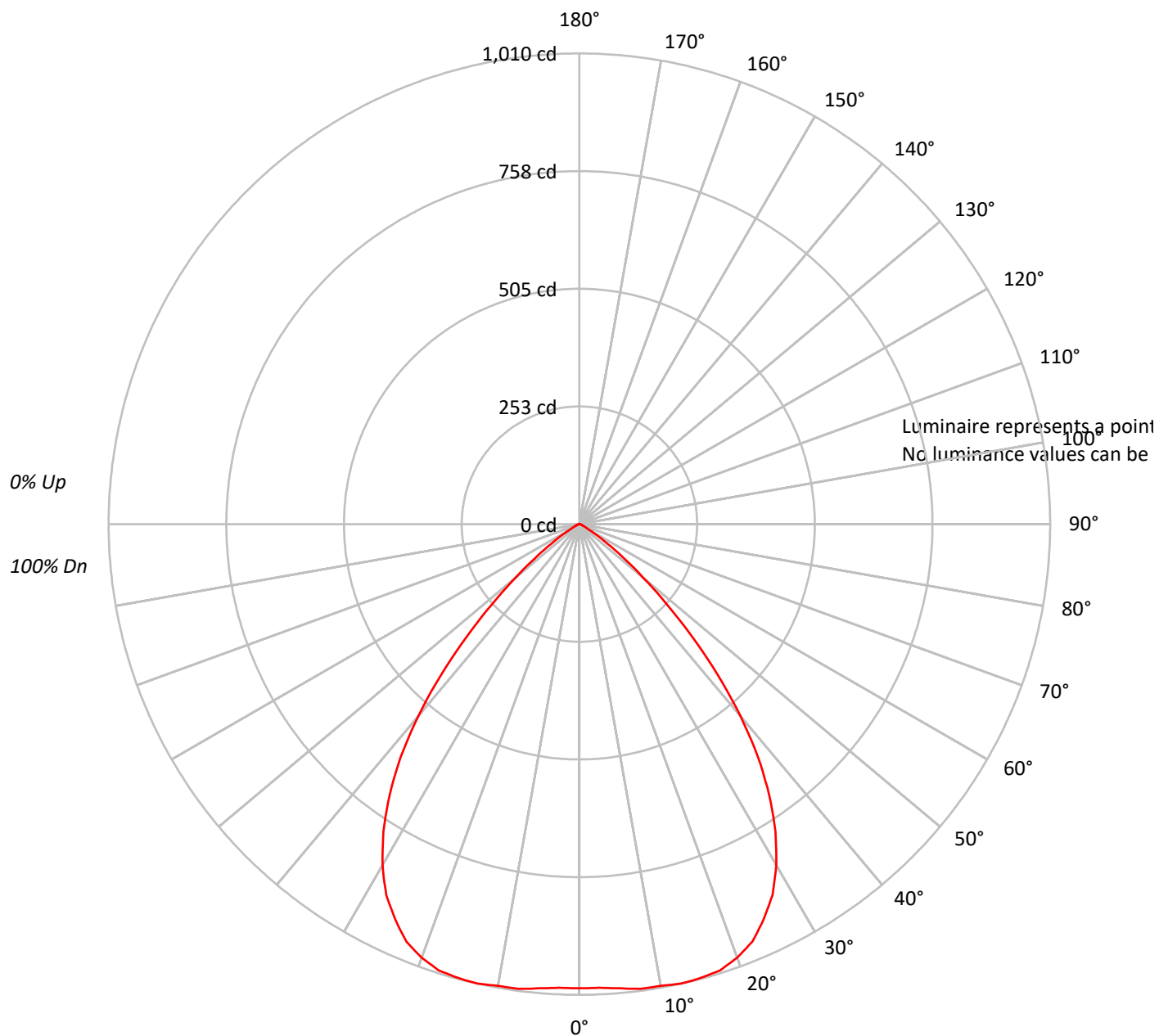
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot

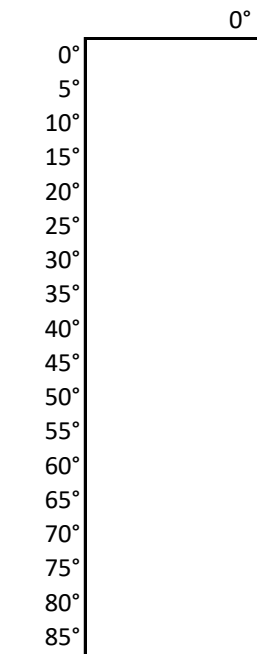


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					0	
RW	70	50	30	10		70	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	109	107	104		110	107	105	102		103	101	99		99	98	96		96	95	93	92
2	106	100	96	92		104	98	94	91		95	92	89		92	89	87		89	87	85	83
3	99	92	86	81		97	90	85	81		88	83	79		85	81	78		83	80	77	75
4	93	84	78	73		91	83	77	72		81	76	71		79	74	71		77	73	70	68
5	87	77	71	66		85	76	70	65		75	69	65		73	68	64		71	67	63	62
6	82	71	64	59		80	71	64	59		69	63	59		67	62	58		66	61	58	56
7	77	66	59	54		75	65	59	54		64	58	54		63	57	53		61	57	53	51
8	72	61	54	49		71	61	54	49		59	53	49		58	53	49		57	52	49	47
9	68	57	50	45		67	56	50	45		55	49	45		54	49	45		53	48	45	43
10	64	53	46	42		63	53	46	42		52	46	42		51	45	42		50	45	41	40

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.7	6.0
10°-20°	284.6	17.8
20°-30°	428.5	26.7
30°-40°	438.1	27.3
40°-50°	266.1	16.6
50°-60°	74.9	4.7
60°-70°	11.4	0.7
70°-80°	3.7	0.2
80°-90°	0.3	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°	808.8	50.5
0°-40°	1246.9	77.8
0°-60°	1587.8	99.0
0°-90°	1603.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1603.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	996	
5°	1000	96
15°	1008	285
25°	935	428
35°	710	438
45°	342	266
55°	74	75
65°	10	11
75°	4	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	995.8
2.5°	995.8
5°	999.8
7.5°	1005.9
10°	1005.9
12.5°	1009.9
15°	1007.9
17.5°	1003.9
20°	989.8
22.5°	969.6
25°	935.4
27.5°	897.2
30°	844.9
32.5°	782.5
35°	710.1
37.5°	629.6
40°	537.1
42.5°	440.5
45°	342.0
47.5°	253.5
50°	179.0
52.5°	120.8
55°	74.4
57.5°	44.2
60°	22.1
62.5°	14.1
65°	10.0
67.5°	8.0
70°	6.0
72.5°	4.0
75°	4.0
77.5°	2.0
80°	2.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)