

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: P202913

Luminaire Tested: **LE_6B15D010 EC6B10208027 6LBWGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202913
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 6LBWGPH1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTIONWITH GRAPHITE HAZE 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: 1167.2 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.11
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

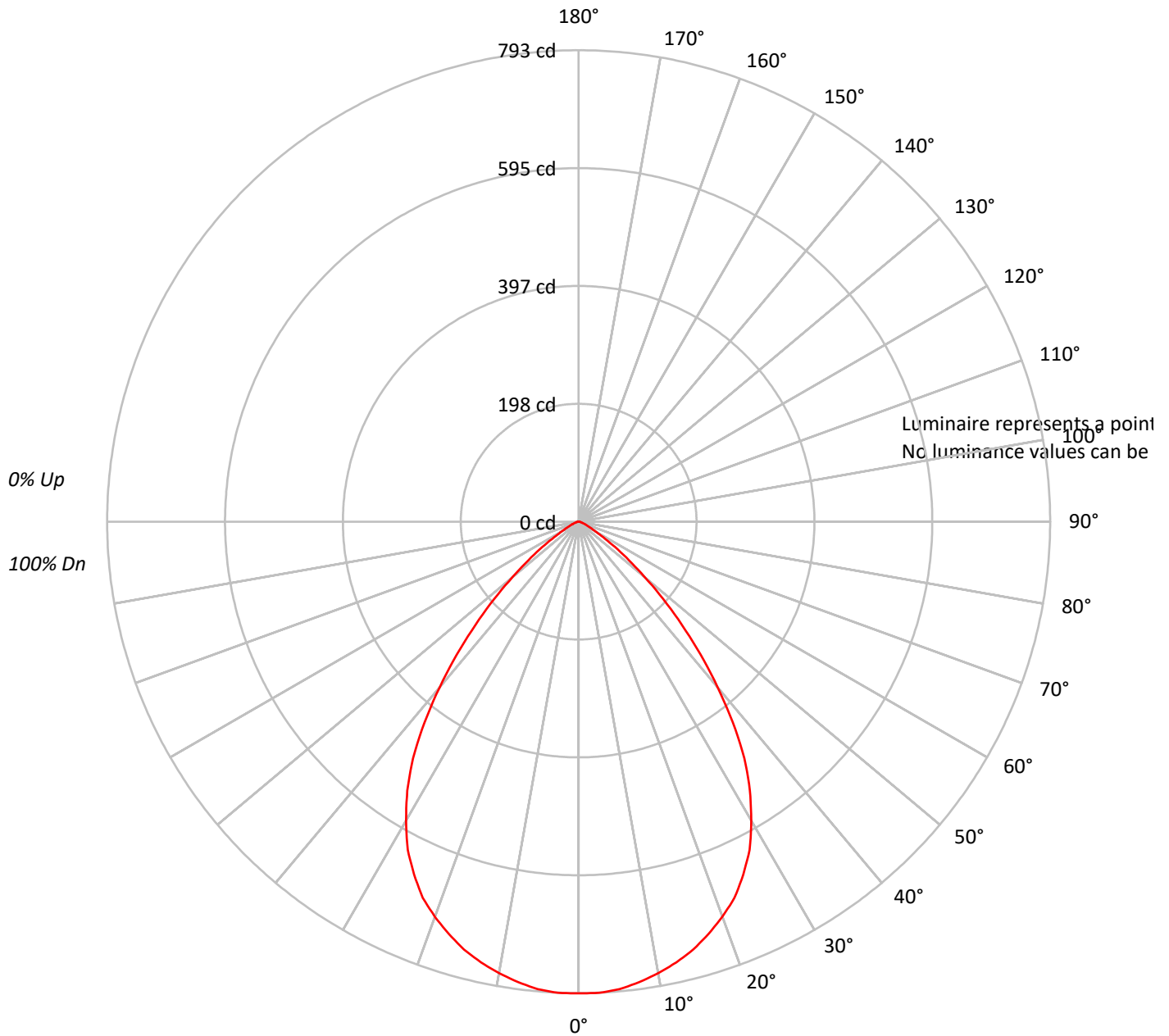
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	110	107	104	102	103	101	99		99	98	96		96
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	91	85	81	97	90	84	80	87	82	79		85	81	77		82
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76
5	87	77	70	65	85	76	69	65	74	68	64		72	67	63		71
6	81	71	64	59	80	70	63	59	68	62	58		67	62	58		65
7	76	65	58	53	75	65	58	53	63	57	53		62	57	53		61
8	72	61	54	49	70	60	53	49	59	53	49		58	52	48		57
9	68	57	50	45	66	56	49	45	55	49	45		54	48	45		53
10	64	53	46	42	63	52	46	42	51	45	41		51	45	41		50

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.7	6.4
10°-20°	209.6	18.0
20°-30°	299.9	25.7
30°-40°	298.9	25.6
40°-50°	190.3	16.3
50°-60°	70.2	6.0
60°-70°	17.5	1.5
70°-80°	5.3	0.5
80°-90°	0.8	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°	584.2	50.0
0°-40°	883.0	75.7
0°-60°	1143.6	98.0
0°-90°	1167.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1167.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	793	
5°	789	75
15°	745	210
25°	655	300
35°	486	299
45°	245	190
55°	74	70
65°	16	18
75°	4	5
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	793.4
2.5°	793.4
5°	789.4
7.5°	781.2
10°	771.2
12.5°	759.2
15°	745.1
17.5°	727.0
20°	707.0
22.5°	684.9
25°	654.8
27.5°	622.6
30°	580.5
32.5°	536.2
35°	486.0
37.5°	425.8
40°	363.5
42.5°	303.2
45°	245.0
47.5°	192.8
50°	144.6
52.5°	106.5
55°	74.4
57.5°	48.2
60°	32.1
62.5°	22.1
65°	16.1
67.5°	12.0
70°	10.0
72.5°	6.0
75°	4.0
77.5°	4.0
80°	2.0
82.5°	2.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)