

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: P203951

Luminaire Tested: **LE_6B15D010 EC6B10209035 6LBNB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203951
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 EC6B10209035 6LBNB1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH SPECULAR BLACK 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: 693.0 lumens
Efficiency: N/A
Efficacy: 48.5 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.83
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

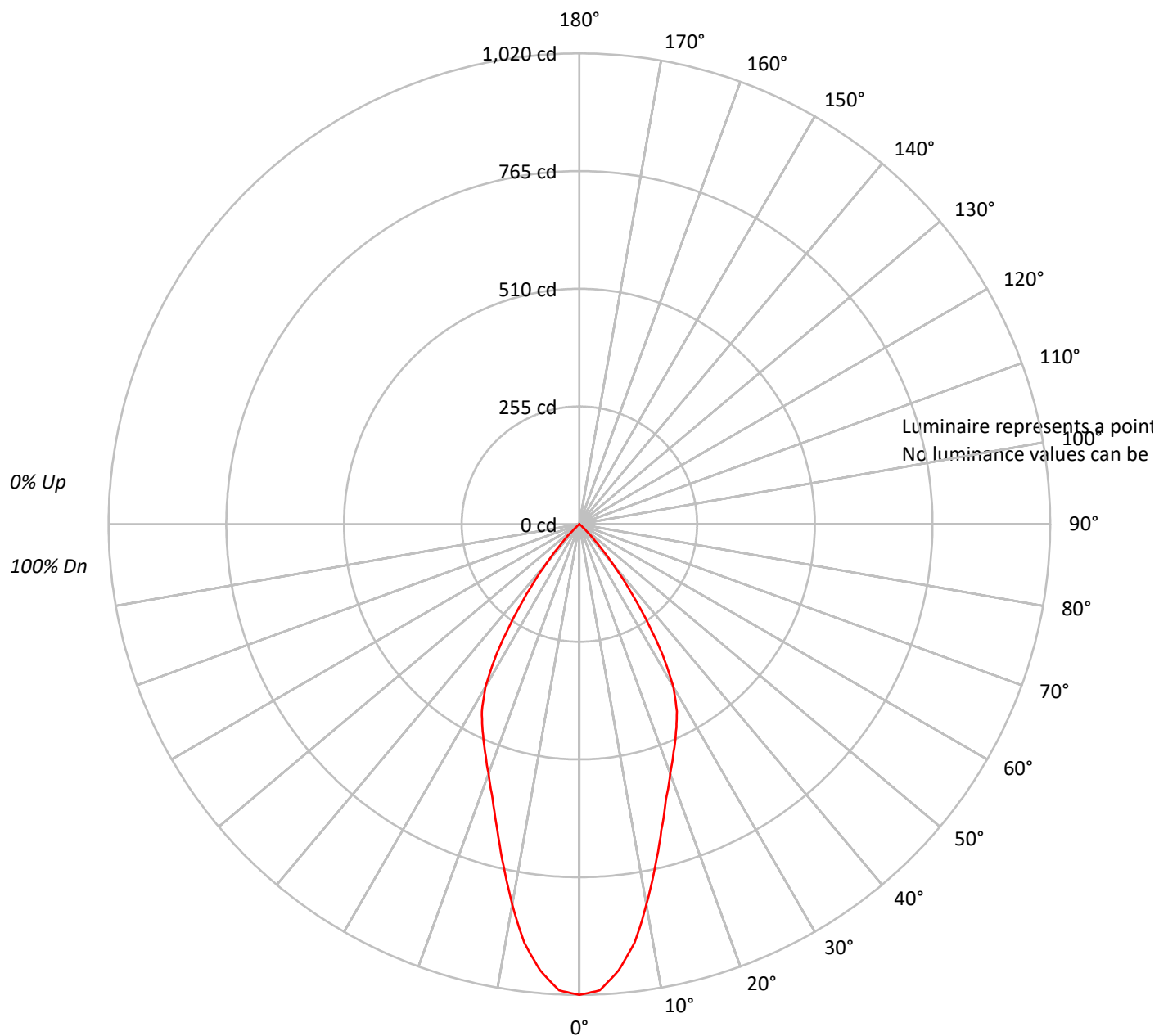
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	111	109	107		111	109	107	105		105	103	102		101	100	99		98	97	96
2	108	104	100	97		106	102	99	96		99	96	93		96	94	91		93	91	90
3	103	97	92	88		101	96	91	88		93	89	86		91	88	85		88	86	84
4	98	91	86	82		96	90	85	81		88	84	80		86	82	79		84	81	78
5	93	85	80	76		92	85	79	75		83	78	75		81	77	74		80	76	73
6	89	80	75	71		88	80	74	70		78	73	70		77	73	69		75	72	69
7	85	76	70	66		83	75	70	66		74	69	65		73	68	65		72	68	65
8	81	72	66	62		80	71	66	62		70	65	61		69	64	61		68	64	61
9	77	68	62	58		76	67	62	58		66	61	58		65	61	58		65	61	58
10	74	64	59	55		73	64	58	55		63	58	55		62	58	55		62	57	54

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.5	12.8
10°-20°	192.9	27.8
20°-30°	226.7	32.7
30°-40°	156.0	22.5
40°-50°	28.9	4.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	508.1	73.3
0°-40°	664.1	95.8
0°-60°	693.0	100.0
0°-90°	693.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	693.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1020	
5°	971	89
15°	686	193
25°	496	227
35°	250	156
45°	29	29
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1020.2
2.5°	1011.1
5°	971.1
7.5°	914.9
10°	836.9
12.5°	758.8
15°	686.1
17.5°	624.5
20°	575.5
22.5°	533.8
25°	495.6
27.5°	457.5
30°	406.6
32.5°	334.0
35°	250.5
37.5°	174.2
40°	110.8
42.5°	61.8
45°	29.0
47.5°	9.1
50°	0.0
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)