

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: P203732

Luminaire Tested: **LE_6B10D010 EC6B10209035 6LBNWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203732
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_6B10D010 EC6B10209035 6LBNWH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH WHEAT TRIM
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W
DL3-11.1 W DLE-11.39 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 776.0 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.64
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

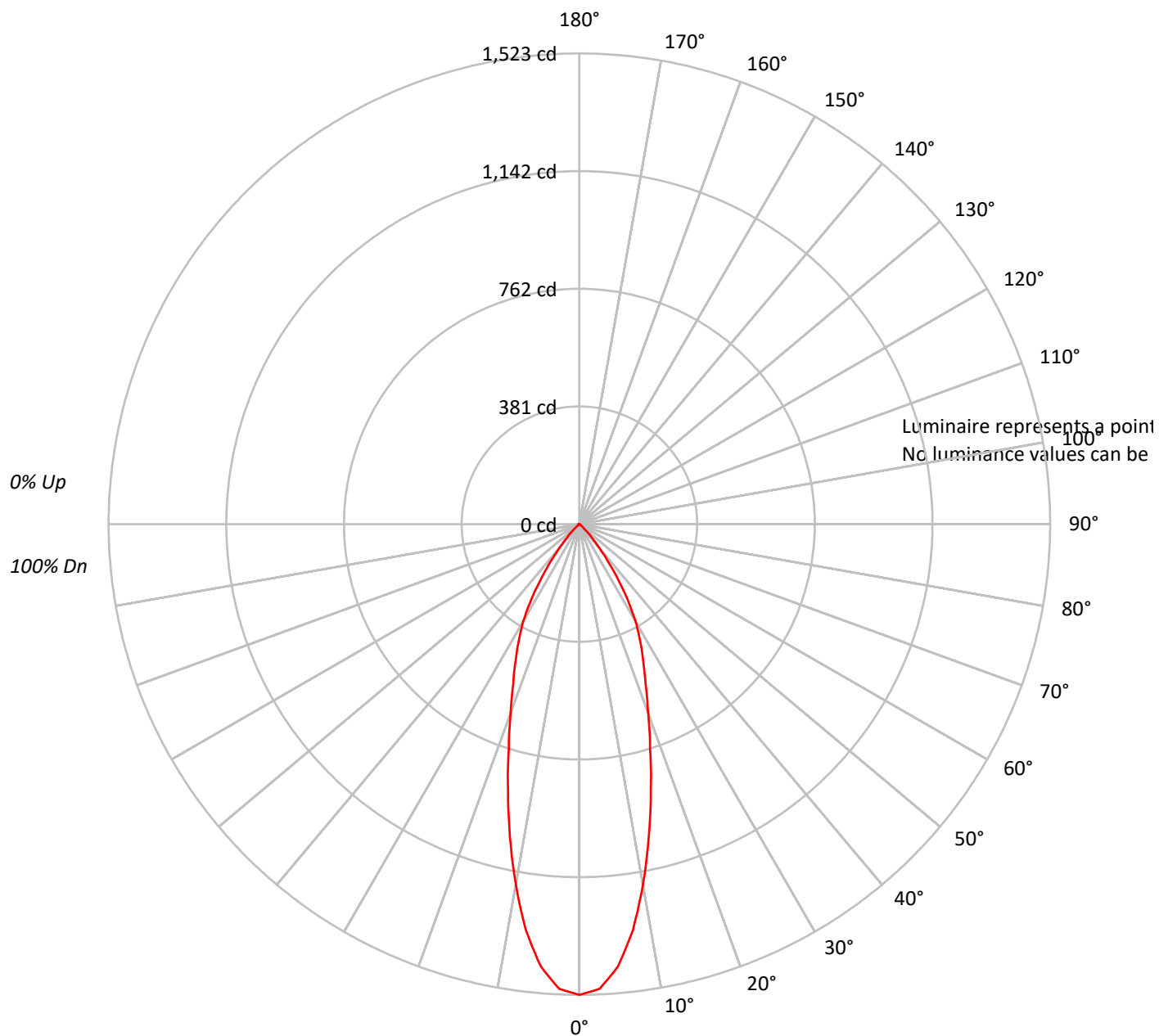
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		112	109	107	105		105	104	102		101	100	99		98	97	96
2	109	104	101	97		107	103	99	96		99	97	94		96	94	92		94	92	90
3	104	98	93	90		102	97	92	89		94	91	88		92	89	86		89	87	85
4	99	92	87	83		97	91	86	83		89	85	82		87	84	81		85	82	80
5	95	87	82	78		93	86	81	77		84	80	77		83	79	76		81	78	75
6	91	82	77	73		89	82	76	73		80	76	72		79	75	72		78	74	71
7	87	78	73	69		85	77	72	69		76	72	68		75	71	68		74	70	67
8	83	74	69	65		82	74	68	65		73	68	65		72	67	64		71	67	64
9	79	71	65	62		78	70	65	61		69	65	61		68	64	61		68	64	61
10	76	67	62	58		75	67	62	58		66	61	58		65	61	58		65	61	58

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.9	16.6
10°-20°	247.8	31.9
20°-30°	225.2	29.0
30°-40°	136.5	17.6
40°-50°	31.1	4.0
50°-60°	4.0	0.5
60°-70°	1.8	0.2
70°-80°	0.5	0.1
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°	602.0	77.6
0°-40°	738.5	95.2
0°-60°	773.6	99.7
0°-90°	776.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	776.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1523	
5°	1436	129
15°	892	248
25°	488	225
35°	216	137
45°	34	31
55°	4	4
65°	1	2
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1523.2
2.5°	1504.8
5°	1436.1
7.5°	1325.2
10°	1184.0
12.5°	1037.5
15°	892.4
17.5°	760.4
20°	649.4
22.5°	559.6
25°	488.4
27.5°	425.0
30°	363.0
32.5°	290.4
35°	216.5
37.5°	151.8
40°	100.4
42.5°	62.0
45°	34.4
47.5°	15.9
50°	6.6
52.5°	5.2
55°	4.0
57.5°	4.0
60°	2.6
62.5°	2.6
65°	1.4
67.5°	1.4
70°	1.4
72.5°	1.4
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)