

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: P203734

Luminaire Tested: **LE_6B10D010 EC6B10209050 6LBNWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203734
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 EC6B10209050 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: 779.9 lumens
Efficiency: N/A
Efficacy: 78.8 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

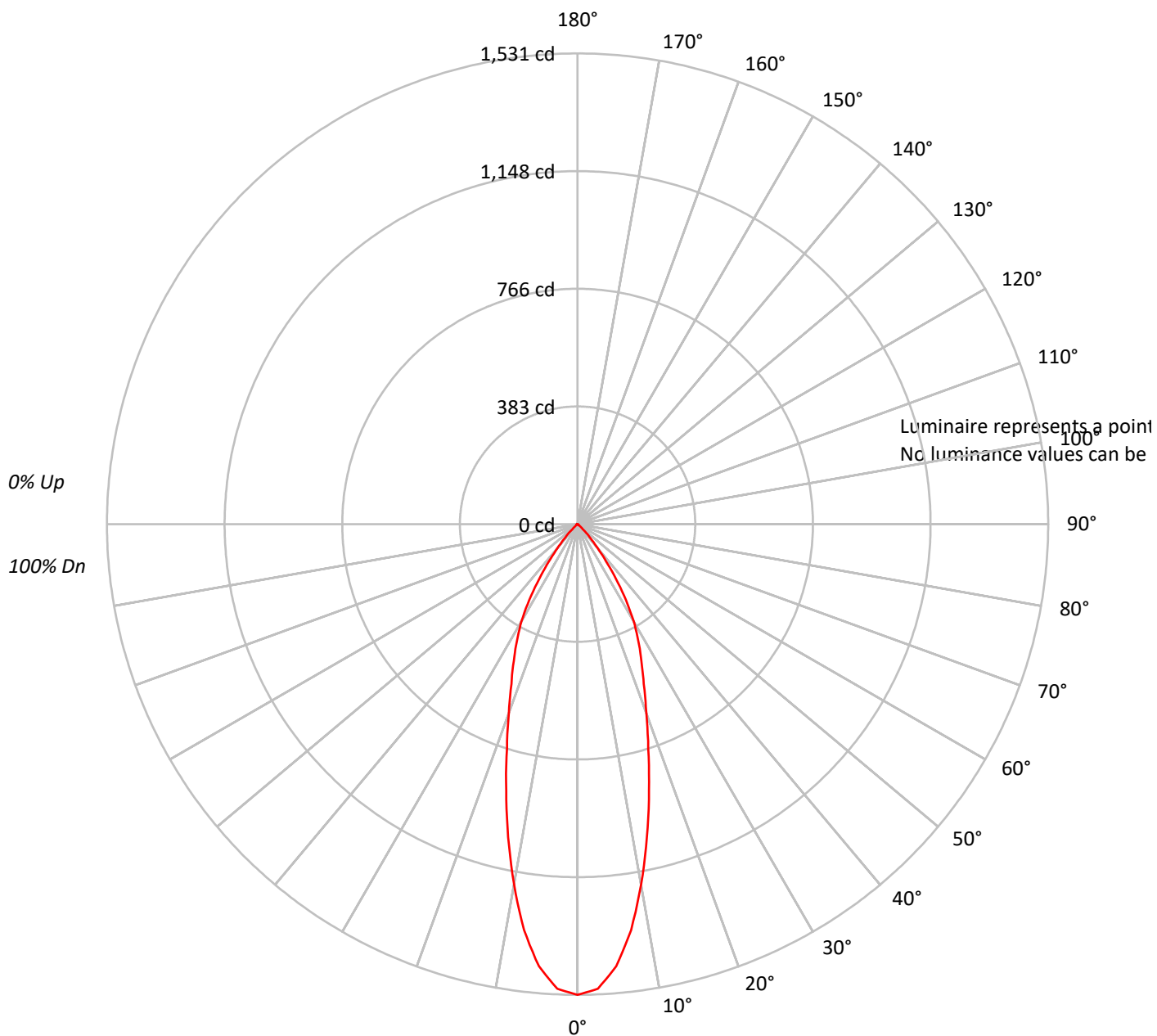
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	129.6	16.6
10°-20°	249.1	31.9
20°-30°	226.4	29.0
30°-40°	137.3	17.6
40°-50°	31.3	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°	605.1	77.6
0°-40°	742.3	95.2
0°-60°	777.5	99.7
0°-90°	779.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	779.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1531	
5°	1444	130
15°	897	249
25°	491	226
35°	218	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°	1531.1
2.5°	1512.6
5°	1443.6
7.5°	1332.1
10°	1190.1
12.5°	1042.9
15°	896.9
17.5°	764.2
20°	652.8
22.5°	562.6
25°	490.9
27.5°	427.2
30°	364.9
32.5°	291.9
35°	217.6
37.5°	152.6
40°	100.9
42.5°	62.4
45°	34.5
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)