

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: P202834

Luminaire Tested: **LE_6B20D010 EC6B10209727 6LBWWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202834
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_6B20D010 EC6B10209727 6LBWWH1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH WHEAT TRIM
WATTAGE D010TR-21.86 W DE010-20.46 W D5LT-21.24 W DMX-20.89 W DL2-22.5 W
DL3-21.8 6 W DLE-22.46 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1663.6 lumens
Efficiency: N/A
Efficacy: 80.0 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

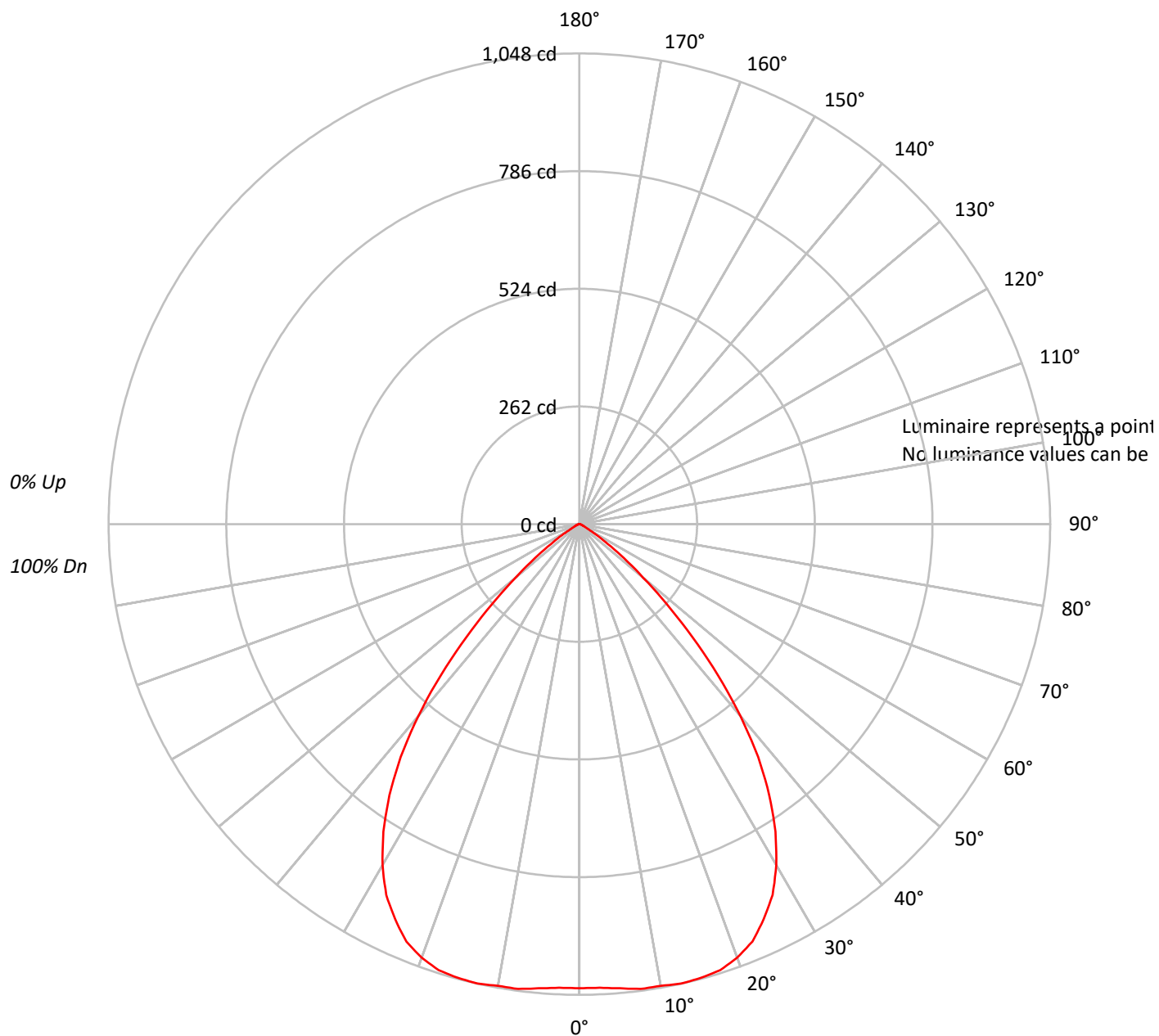
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	96	92	104	98	94	91	95	92	89		92	89	87		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	84	78	73	91	83	77	72	81	76	71		79	74	71		77
5	87	77	71	66	85	76	70	65	75	69	65		73	68	64		71
6	82	71	64	59	80	71	64	59	69	63	59		67	62	58		66
7	77	66	59	54	75	65	59	54	64	58	54		63	57	53		61
8	72	61	54	49	71	61	54	49	59	53	49		58	53	49		57
9	68	57	50	45	67	56	50	45	55	49	45		54	49	45		53
10	64	53	46	42	63	53	46	42	52	46	42		51	45	42		50

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.3	6.0
10°-20°	295.3	17.8
20°-30°	444.6	26.7
30°-40°	454.6	27.3
40°-50°	276.1	16.6
50°-60°	77.7	4.7
60°-70°	11.8	0.7
70°-80°	3.8	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°	839.3	50.4
0°-40°	1293.9	77.8
0°-60°	1647.7	99.0
0°-90°	1663.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1663.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1033	
5°	1037	99
15°	1046	295
25°	971	445
35°	737	455
45°	355	276
55°	77	78
65°	10	12
75°	4	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1033.2
2.5°	1033.2
5°	1037.4
7.5°	1043.8
10°	1043.8
12.5°	1047.9
15°	1045.8
17.5°	1041.6
20°	1027.0
22.5°	1006.1
25°	970.6
27.5°	931.0
30°	876.8
32.5°	812.0
35°	736.9
37.5°	653.4
40°	557.4
42.5°	457.1
45°	354.9
47.5°	263.0
50°	185.8
52.5°	125.2
55°	77.2
57.5°	45.9
60°	23.0
62.5°	14.6
65°	10.4
67.5°	8.4
70°	6.2
72.5°	4.1
75°	4.1
77.5°	2.1
80°	2.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)