

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: P203551

Luminaire Tested: **LE_6B20D010 EC6B10209030 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203551
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 EC6B10209030 6LBMMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH MATTE WHITE 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

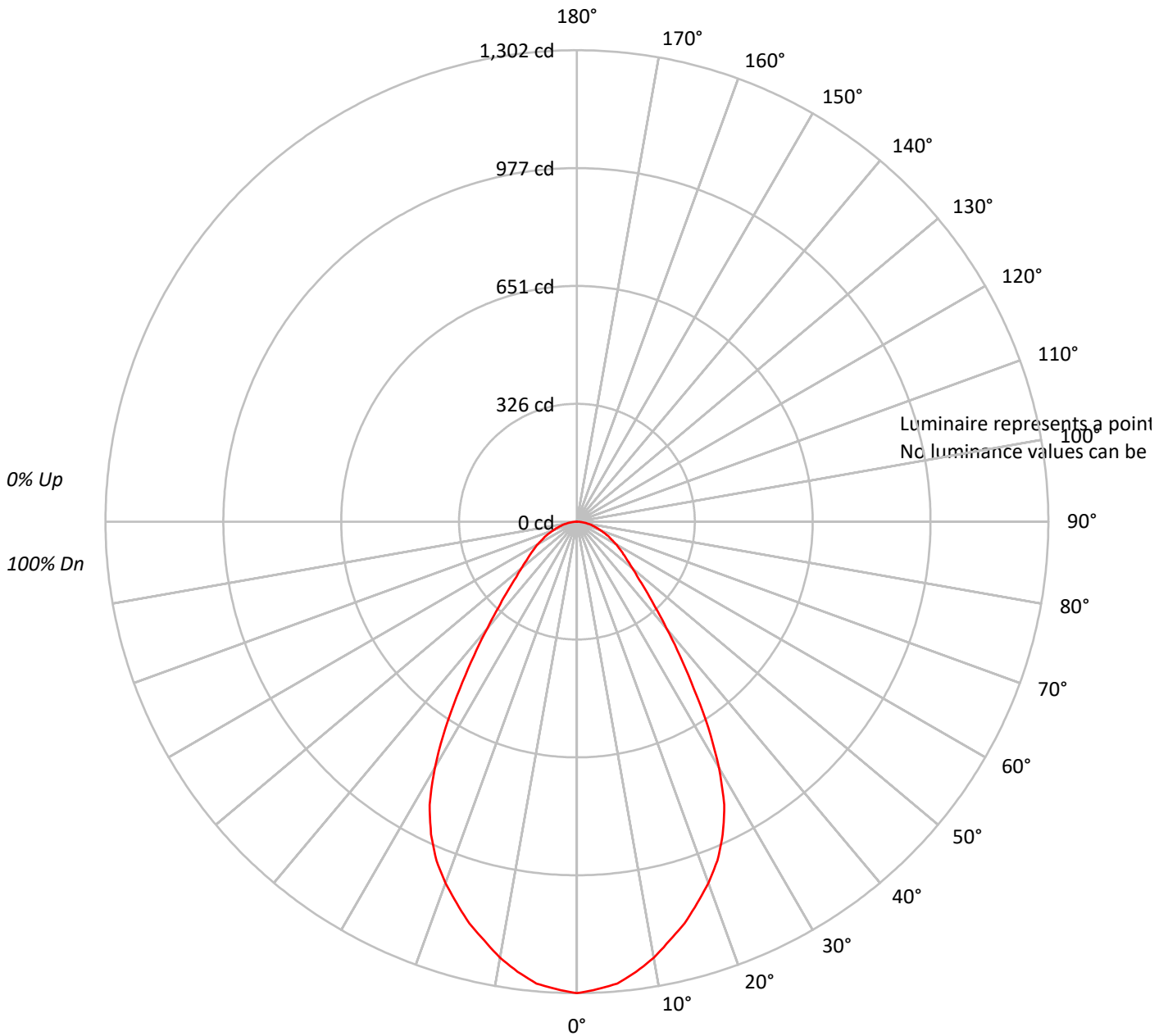
Lumens per Lamp: N/A
Luminaire Lumens: 1745.2 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): 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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89			
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71			
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64			
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58			
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48			
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41			
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.3	6.9
10°-20°	322.2	18.5
20°-30°	432.6	24.8
30°-40°	354.9	20.3
40°-50°	213.1	12.2
50°-60°	141.6	8.1
60°-70°	94.9	5.4
70°-80°	51.1	2.9
80°-90°	14.4	0.8
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°	875.1	50.1
0°-40°	1230.0	70.5
0°-60°	1584.8	90.8
0°-90°	1745.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1745.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1302	
5°	1280	120
15°	1148	322
25°	953	433
35°	563	355
45°	270	213
55°	156	142
65°	96	95
75°	48	51
85°	12	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1302.1
2.5°	1292.5
5°	1280.5
7.5°	1254.0
10°	1222.8
12.5°	1184.2
15°	1148.1
17.5°	1104.8
20°	1061.5
22.5°	1013.4
25°	953.1
27.5°	881.0
30°	784.6
32.5°	676.4
35°	563.2
37.5°	467.0
40°	385.1
42.5°	320.1
45°	269.6
47.5°	228.6
50°	199.8
52.5°	175.8
55°	156.5
57.5°	139.6
60°	125.1
62.5°	108.4
65°	96.2
67.5°	81.9
70°	69.8
72.5°	57.8
75°	48.1
77.5°	38.5
80°	28.9
82.5°	21.6
85°	12.0
87.5°	4.9
90°	0.0



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— 0°-180°







(END OF REPORT)