

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: P202524

Luminaire Tested: **LE_6B20D010 EC6B10209050 6LBSWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202524
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 EC6B10209050 6LBSWMH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH WARM HAZE 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: 2324.8 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1.1
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

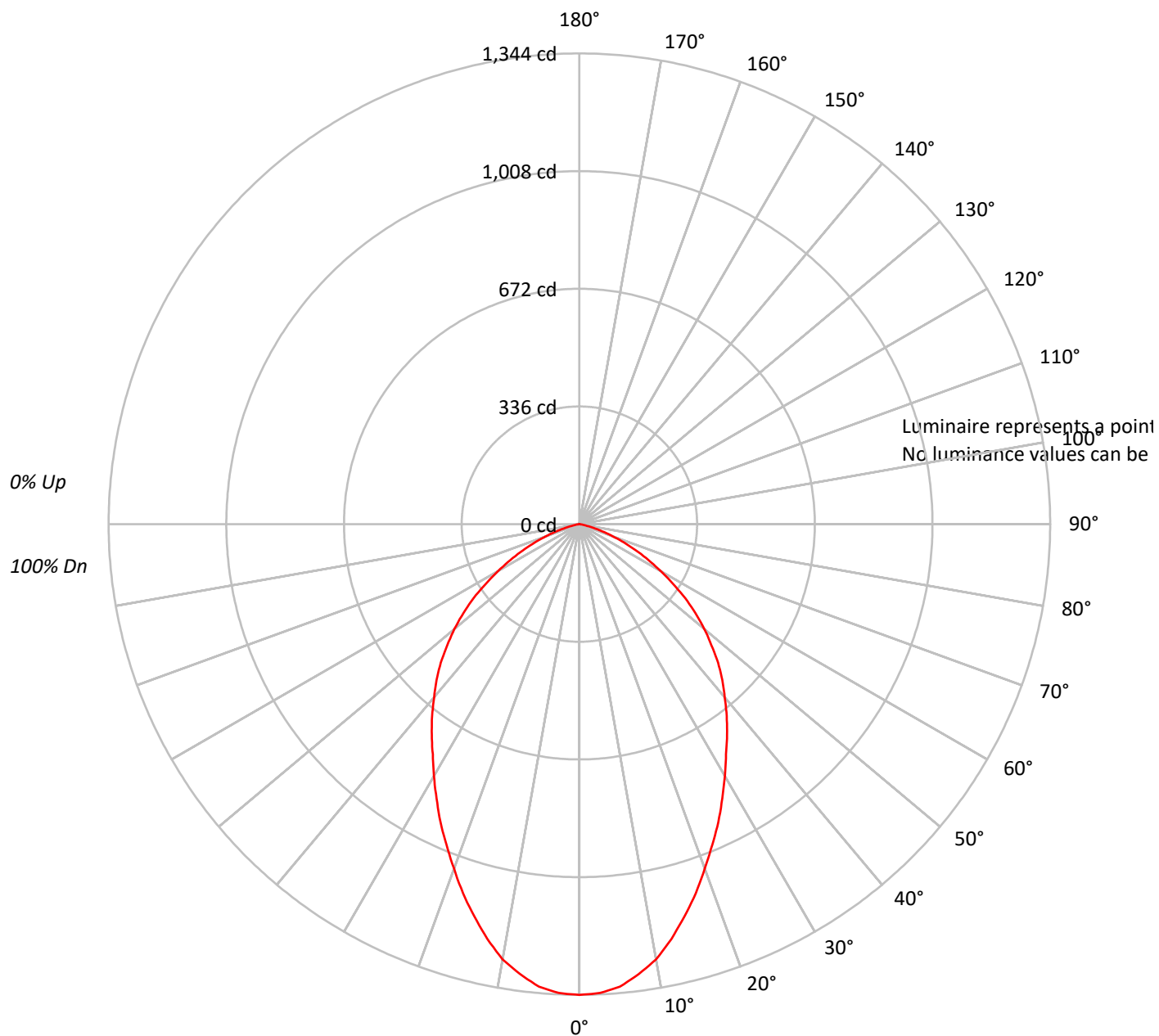
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	111	107	104	101	108	105	102	99		101	98	96			97	95	93			94
2	103	96	90	85	100	94	89	84		91	86	82			87	84	81			84
3	95	86	79	73	92	84	78	73		81	76	71			79	74	70			76
4	88	77	70	64	86	76	69	63		74	67	62			71	66	62			69
5	81	70	62	56	79	69	61	56		67	60	55			65	59	55			63
6	76	64	56	50	74	63	55	50		61	54	49			59	53	49			58
7	70	58	50	45	69	57	50	45		56	49	44			55	48	44			53
8	66	54	46	40	64	53	45	40		52	45	40			50	44	40			49
9	62	49	42	37	61	49	42	37		48	41	37			47	41	36			46
10	58	46	39	34	57	45	38	34		45	38	34			44	38	33			43

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.4	5.4
10°-20°	325.1	14.0
20°-30°	431.1	18.5
30°-40°	459.9	19.8
40°-50°	429.8	18.5
50°-60°	327.8	14.1
60°-70°	178.3	7.7
70°-80°	47.8	2.1
80°-90°	0.6	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°	880.7	37.9
0°-40°	1340.5	57.7
0°-60°	2098.1	90.3
0°-90°	2324.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2324.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1344	
5°	1326	124
15°	1159	325
25°	938	431
35°	735	460
45°	560	430
55°	369	328
65°	178	178
75°	41	48
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1344.4
2.5°	1340.1
5°	1325.9
7.5°	1296.0
10°	1261.8
12.5°	1213.4
15°	1159.2
17.5°	1105.1
20°	1046.8
22.5°	991.1
25°	938.5
27.5°	883.0
30°	830.2
32.5°	779.0
35°	734.9
37.5°	690.8
40°	645.1
42.5°	603.9
45°	559.6
47.5°	511.2
50°	465.6
52.5°	417.2
55°	368.9
57.5°	316.1
60°	267.8
62.5°	222.1
65°	178.0
67.5°	138.1
70°	101.1
72.5°	69.8
75°	41.2
77.5°	18.5
80°	4.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)