

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: P203580

Luminaire Tested: **LE_6B40D010 EC6B30509050 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203580
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_6B40D010 EC6B30509050 6LBMMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH MATTE WHITE TRIM
WATTAGE D010TR-43.02 W DE010-42.54 W D5LT-42.539 W DMX-41.87 W DL2-41.57
W DL3-44.71 W DLE-39.33 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3649.9 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

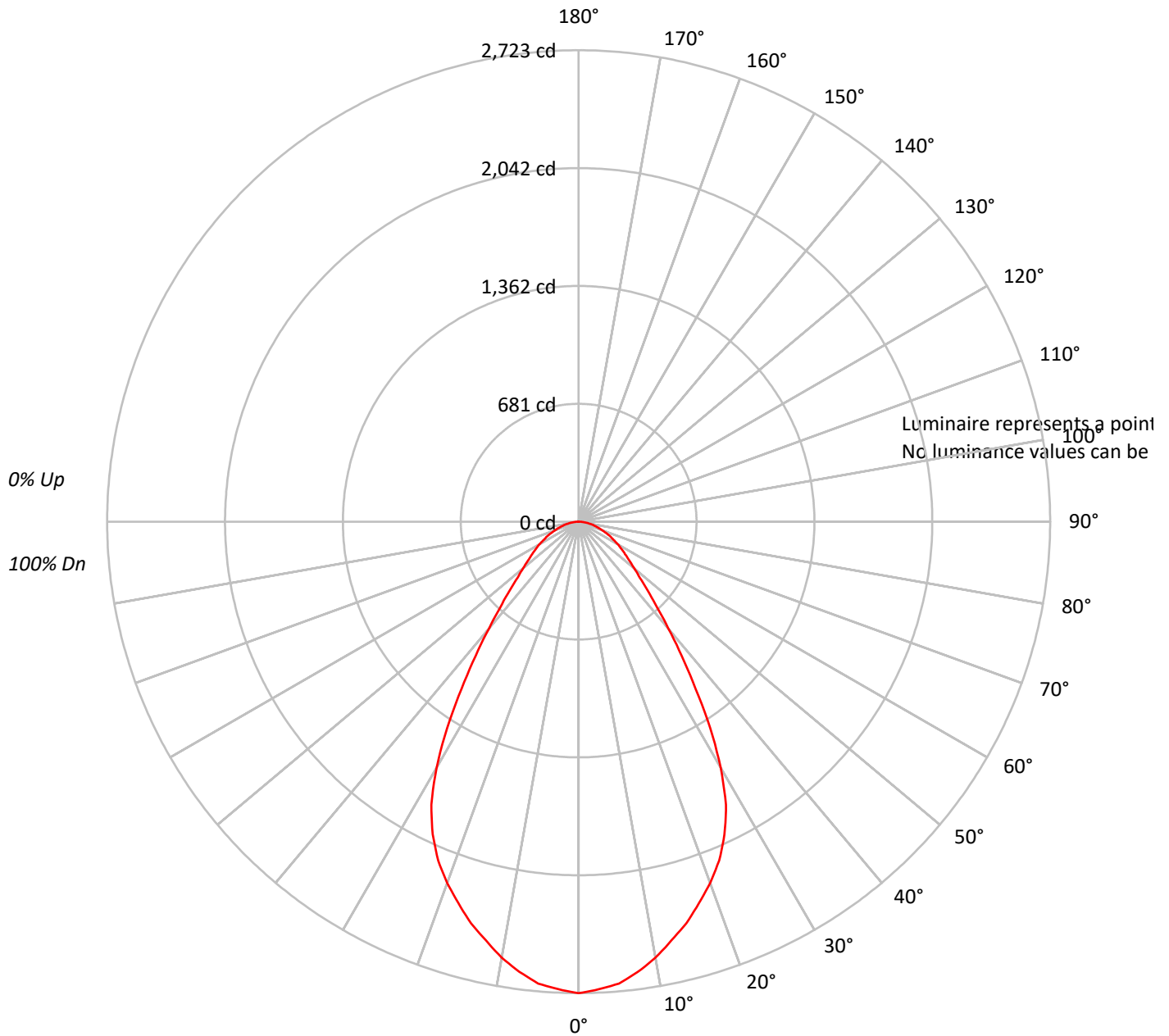
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203580

CATALOG NUMBER: LE_6B40D010 EC6B30509050 6LBMMW1

Luminous Intensity Polar Plot





TEST NUMBER: P203580

CATALOG NUMBER: LE_6B40D010 EC6B30509050 6LBMMW1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					0
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			100
1	111	108	104	101		109	105	103	100		101	99	97			98	96	94			89
2	104	97	92	88		101	96	91	87		92	88	85			89	86	83			79
3	97	88	82	77		95	87	81	76		84	79	75			82	77	74			71
4	90	81	74	68		88	80	73	68		77	72	67			75	70	66			64
5	85	74	67	61		83	73	66	61		71	65	61			69	64	60			58
6	79	68	61	56		78	68	61	56		66	60	55			64	59	55			53
7	75	63	56	51		73	63	56	51		61	55	50			60	54	50			48
8	70	59	52	47		69	58	51	47		57	51	46			56	50	46			44
9	66	55	48	43		65	54	48	43		53	47	43			52	47	43			41
10	63	51	45	40		62	51	44	40		50	44	40			49	44	40			38

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203580

CATALOG NUMBER: LE_6B40D010 EC6B30509050 6LBMMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.6	6.9
10°-20°	673.9	18.5
20°-30°	904.8	24.8
30°-40°	742.2	20.3
40°-50°	445.7	12.2
50°-60°	296.2	8.1
60°-70°	198.5	5.4
70°-80°	106.8	2.9
80°-90°	30.1	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°	1830.3	50.1
0°-40°	2572.5	70.5
0°-60°	3314.4	90.8
0°-90°	3649.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3649.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2723	
5°	2678	252
15°	2401	674
25°	1994	905
35°	1178	742
45°	564	446
55°	327	296
65°	201	199
75°	101	107
85°	25	30
90°	0	



TEST NUMBER: P203580

CATALOG NUMBER: LE_6B40D010 EC6B30509050 6LBMMW1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2723.4
2.5°	2703.2
5°	2678.1
7.5°	2622.8
10°	2557.2
12.5°	2476.8
15°	2401.2
17.5°	2310.6
20°	2220.0
22.5°	2119.4
25°	1993.5
27.5°	1842.5
30°	1641.1
32.5°	1414.6
35°	1178.0
37.5°	976.6
40°	805.5
42.5°	669.5
45°	563.8
47.5°	478.2
50°	417.9
52.5°	367.5
55°	327.2
57.5°	292.0
60°	261.8
62.5°	226.5
65°	201.4
67.5°	171.1
70°	146.0
72.5°	120.9
75°	100.6
77.5°	80.5
80°	60.4
82.5°	45.2
85°	25.1
87.5°	10.1
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)