

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: P204605

Luminaire Tested: **LE\_6B40D010 EC6B30508050 6LBSMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204605  
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 EC6B30508050 6LBSMW1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW 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: 5871.7 lumens  
Efficiency: N/A  
Efficacy: 140.5 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

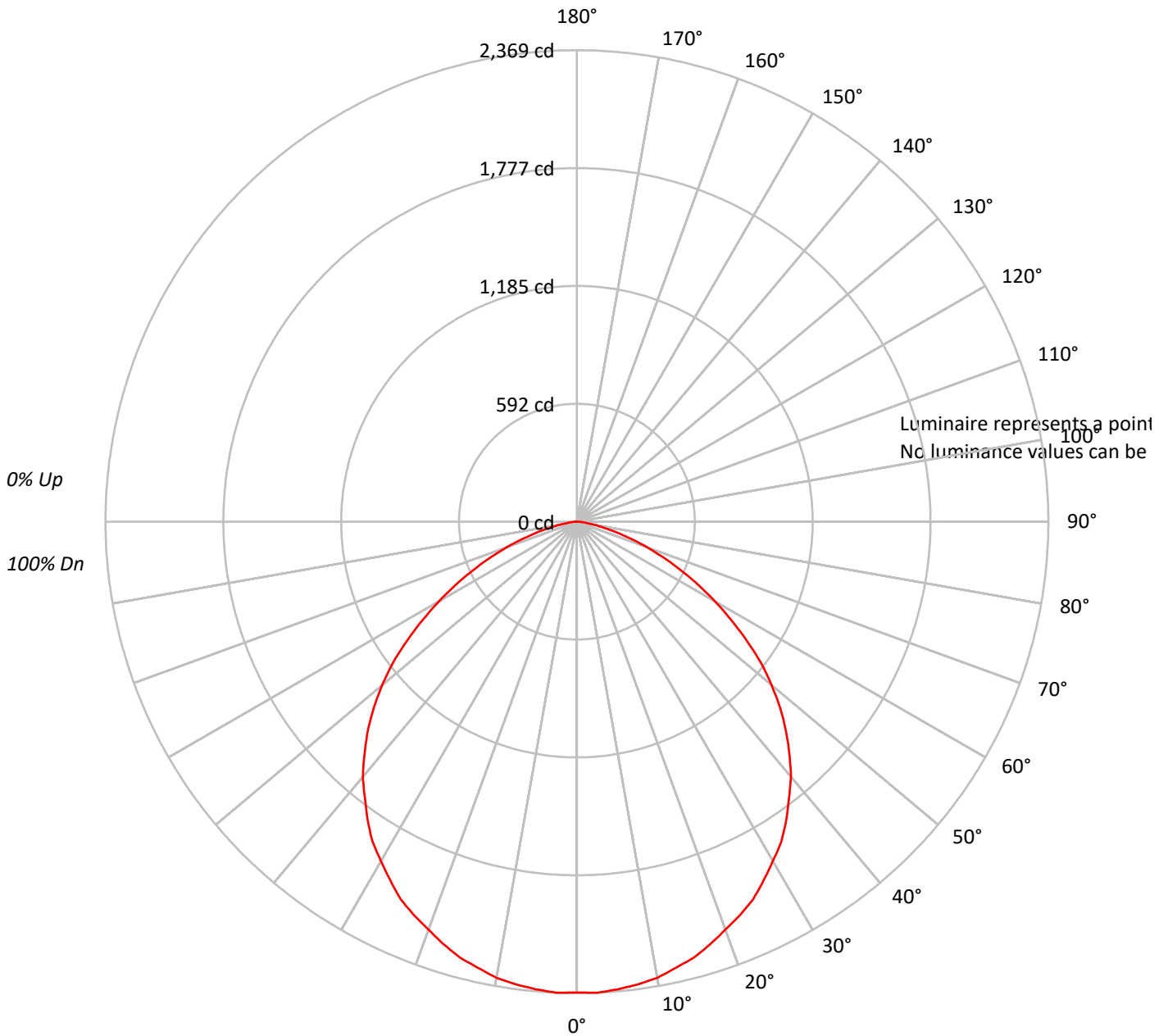
Input Watts (W): 41.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P204605

CATALOG NUMBER: LE\_6B40D010 EC6B30508050 6LBSMW1

### Luminous Intensity Polar Plot





TEST NUMBER: P204605

CATALOG NUMBER: LE\_6B40D010 EC6B30508050 6LBSMW1

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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				100
1	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86				86
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74				74
3	93	83	75	69	90	81	74	69	78	72	67	76	70	66	73	69	65	63				63
4	85	74	66	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54				54
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	49	47				47
6	73	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42				42
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	43	39	37				37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33				33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30				30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27				27

**AVERAGE LUMINANCE (cd/sqm):**





TEST NUMBER: P204605

CATALOG NUMBER: LE\_6B40D010 EC6B30508050 6LBSMW1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	224.2	3.8
10°-20°	638.9	10.9
20°-30°	962.3	16.4
30°-40°	1145.0	19.5
40°-50°	1142.9	19.5
50°-60°	929.5	15.8
60°-70°	571.8	9.7
70°-80°	221.5	3.8
80°-90°	35.5	0.6
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°	1825.4	31.1
0°-40°	2970.4	50.6
0°-60°	5042.8	85.9
0°-90°	5871.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5871.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2366	
5°	2359	224
15°	2268	639
25°	2094	962
35°	1833	1145
45°	1486	1143
55°	1040	929
65°	574	572
75°	202	222
85°	28	36
90°	0	



TEST NUMBER: P204605

CATALOG NUMBER: LE\_6B40D010 EC6B30508050 6LBSMW1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2365.8
2.5°	2369.2
5°	2358.8
7.5°	2344.9
10°	2327.5
12.5°	2296.1
15°	2268.2
17.5°	2226.5
20°	2181.4
22.5°	2139.6
25°	2094.4
27.5°	2031.8
30°	1969.1
32.5°	1910.0
35°	1833.4
37.5°	1749.9
40°	1673.4
42.5°	1579.5
45°	1485.5
47.5°	1384.6
50°	1276.8
52.5°	1165.5
55°	1040.2
57.5°	918.5
60°	800.1
62.5°	685.4
65°	574.0
67.5°	469.6
70°	372.2
72.5°	281.8
75°	201.8
77.5°	132.2
80°	80.0
82.5°	48.8
85°	27.9
87.5°	13.9
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)