

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: P204081

Luminaire Tested: **LE\_6B30D010 EC6B30509040 6LBNMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204081  
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\_6B30D010 EC6B30509040 6LBNMW1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
NARROW DISTRIBUTION WITH MATTE WHITE TRIM  
WATTAGE D010TR-27.4 W DE010-27.95 W D5LT-27.65 W DMX-27.73 W DL2-29.56 W  
DL3-29.67 W DLE-29.73 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2313.4 lumens  
Efficiency: N/A  
Efficacy: 82.6 lumens/watt  
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

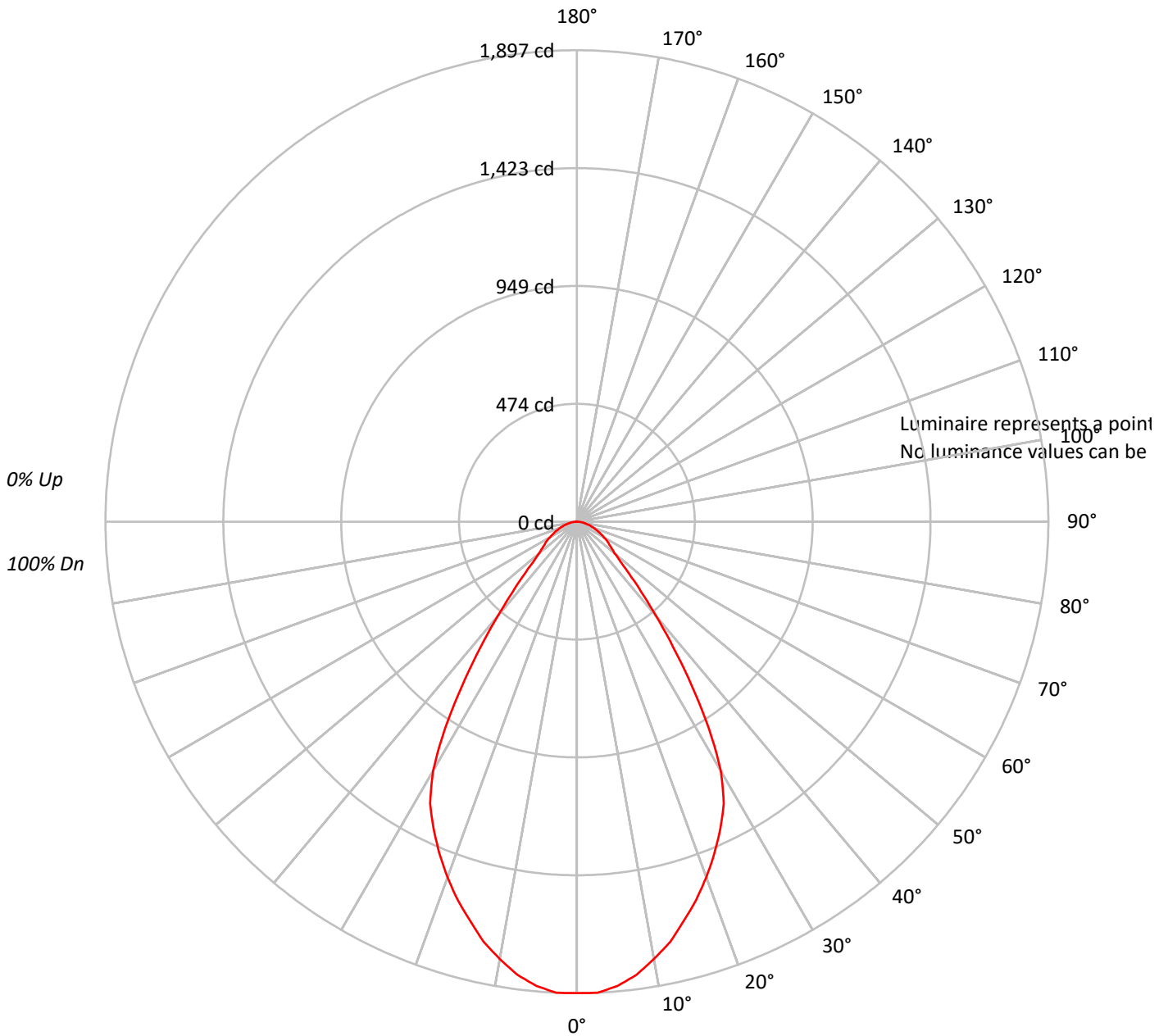
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P204081

CATALOG NUMBER: LE\_6B30D010 EC6B30509040 6LBNMW1

### Luminous Intensity Polar Plot





TEST NUMBER: P204081

CATALOG NUMBER: LE\_6B30D010 EC6B30509040 6LBNMW1

**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	112	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90			
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81			
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73			
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66			
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61			
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56			
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51			
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47			
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44			
10	65	54	47	43	64	54	47	43	53	47	43	52	46	43	51	46	43	41			

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





TEST NUMBER: P204081

CATALOG NUMBER: LE\_6B30D010 EC6B30509040 6LBNMW1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.2	7.6
10°-20°	467.0	20.2
20°-30°	623.5	26.9
30°-40°	503.0	21.7
40°-50°	241.1	10.4
50°-60°	142.9	6.2
60°-70°	95.0	4.1
70°-80°	50.9	2.2
80°-90°	13.9	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°	1266.6	54.8
0°-40°	1769.6	76.5
0°-60°	2153.6	93.1
0°-90°	2313.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2313.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1897	
5°	1875	176
15°	1662	467
25°	1364	623
35°	805	503
45°	298	241
55°	158	143
65°	96	95
75°	48	51
85°	11	14
90°	0	



TEST NUMBER: P204081

CATALOG NUMBER: LE\_6B30D010 EC6B30509040 6LBNMW1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1897.2
2.5°	1897.2
5°	1875.2
7.5°	1838.5
10°	1787.0
12.5°	1731.9
15°	1662.0
17.5°	1595.8
20°	1522.2
22.5°	1445.0
25°	1364.1
27.5°	1279.5
30°	1158.2
32.5°	989.1
35°	805.2
37.5°	636.1
40°	492.8
42.5°	382.4
45°	297.9
47.5°	235.4
50°	198.5
52.5°	176.5
55°	158.1
57.5°	143.4
60°	125.0
62.5°	110.2
65°	95.6
67.5°	80.9
70°	69.9
72.5°	58.9
75°	47.8
77.5°	36.8
80°	29.4
82.5°	22.0
85°	11.0
87.5°	3.6
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)