

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: P205005

Luminaire Tested: **LE\_6B30D010 EC6B30508050 6LBCS1MMS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205005  
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 EC6B30508050 6LBCS1MMS  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH CAST MATTE METALLIC SILVER 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: 3933.0 lumens  
Efficiency: N/A  
Efficacy: 140.5 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.27  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

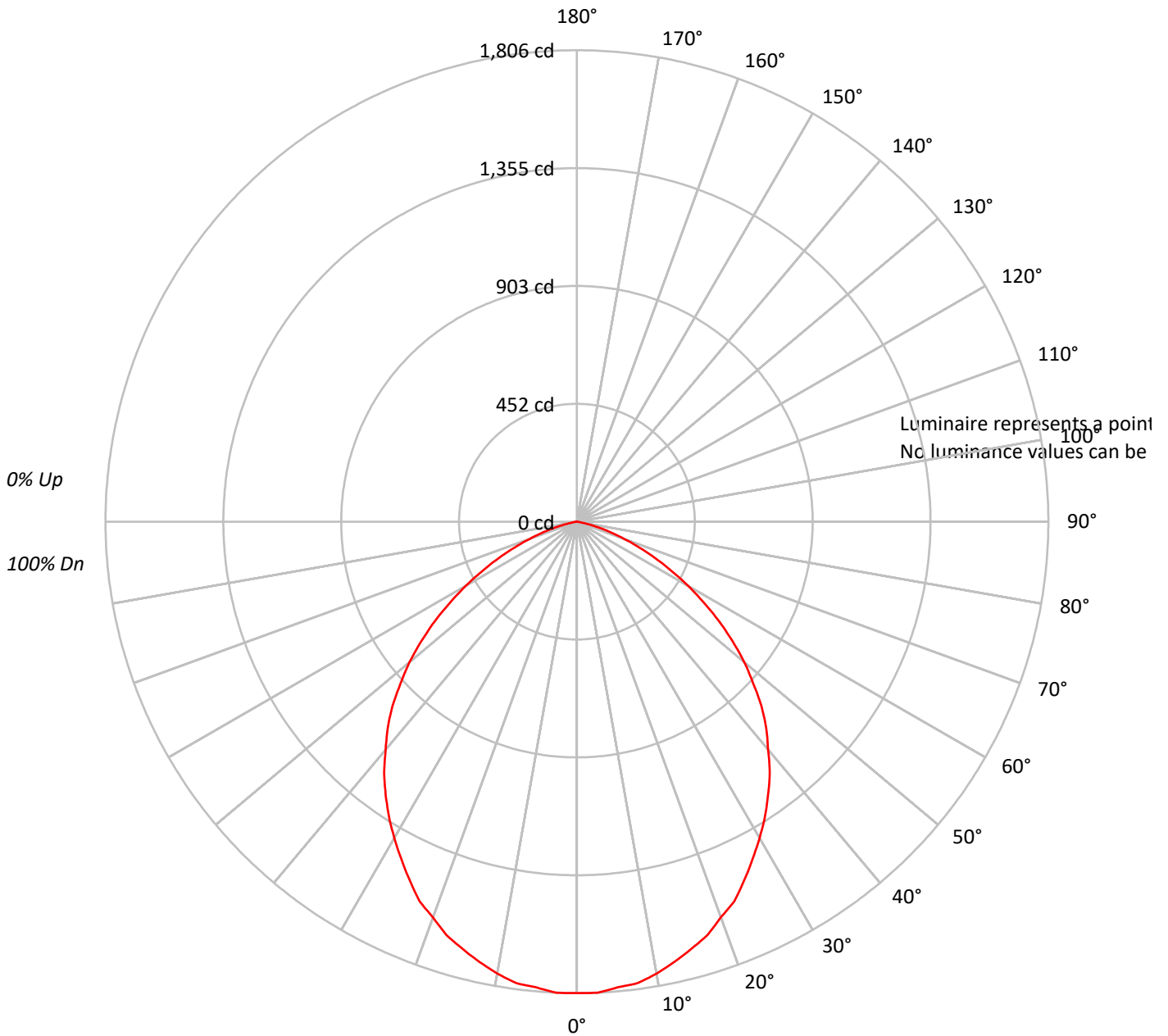
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P205005

CATALOG NUMBER: LE\_6B30D010 EC6B30508050 6LBCS1MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P205005

CATALOG NUMBER: LE\_6B30D010 EC6B30508050 6LBCS1MMS

**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			100
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88			88
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76			76
3	94	85	77	72	92	83	76	71	80	74	70	77	73	69	75	71	67	65			65
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57			57
5	80	68	60	54	78	67	59	54	65	58	53	63	57	53	61	56	52	50			50
6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	44			44
7	69	56	48	42	67	56	48	42	54	47	42	53	46	42	51	46	41	40			40
8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	36			36
9	60	48	40	35	59	47	40	34	46	39	34	45	39	34	44	38	34	32			32
10	57	44	36	31	55	43	36	31	43	36	31	42	35	31	41	35	31	29			29

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





TEST NUMBER: P205005

CATALOG NUMBER: LE\_6B30D010 EC6B30508050 6LBCS1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.2	4.3
10°-20°	477.6	12.1
20°-30°	697.6	17.7
30°-40°	797.9	20.3
40°-50°	766.8	19.5
50°-60°	592.1	15.1
60°-70°	330.5	8.4
70°-80°	96.2	2.4
80°-90°	4.1	0.1
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°	1345.4	34.2
0°-40°	2143.2	54.5
0°-60°	3502.2	89.0
0°-90°	3933.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3933.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1806	
5°	1791	170
15°	1694	478
25°	1516	698
35°	1277	798
45°	1000	767
55°	664	592
65°	331	331
75°	84	96
85°	2	4
90°	0	



TEST NUMBER: P205005

CATALOG NUMBER: LE\_6B30D010 EC6B30508050 6LBCS1MMS

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1806.1
2.5°	1806.1
5°	1790.9
7.5°	1783.2
10°	1757.8
12.5°	1727.2
15°	1694.2
17.5°	1661.1
20°	1612.8
22.5°	1574.6
25°	1516.1
27.5°	1457.6
30°	1399.1
32.5°	1340.6
35°	1277.0
37.5°	1213.4
40°	1139.6
42.5°	1073.5
45°	999.8
47.5°	915.8
50°	836.9
52.5°	750.4
55°	664.0
57.5°	574.9
60°	491.0
62.5°	407.0
65°	330.8
67.5°	259.5
70°	193.4
72.5°	134.9
75°	84.0
77.5°	43.2
80°	15.2
82.5°	5.1
85°	2.5
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)