

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: P205214

Luminaire Tested: **LE_6B30D010 EC6B30509727 6LBWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205214
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 EC6B30509727 6LBWL1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SPECULAR CLEAR 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: 2665.7 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

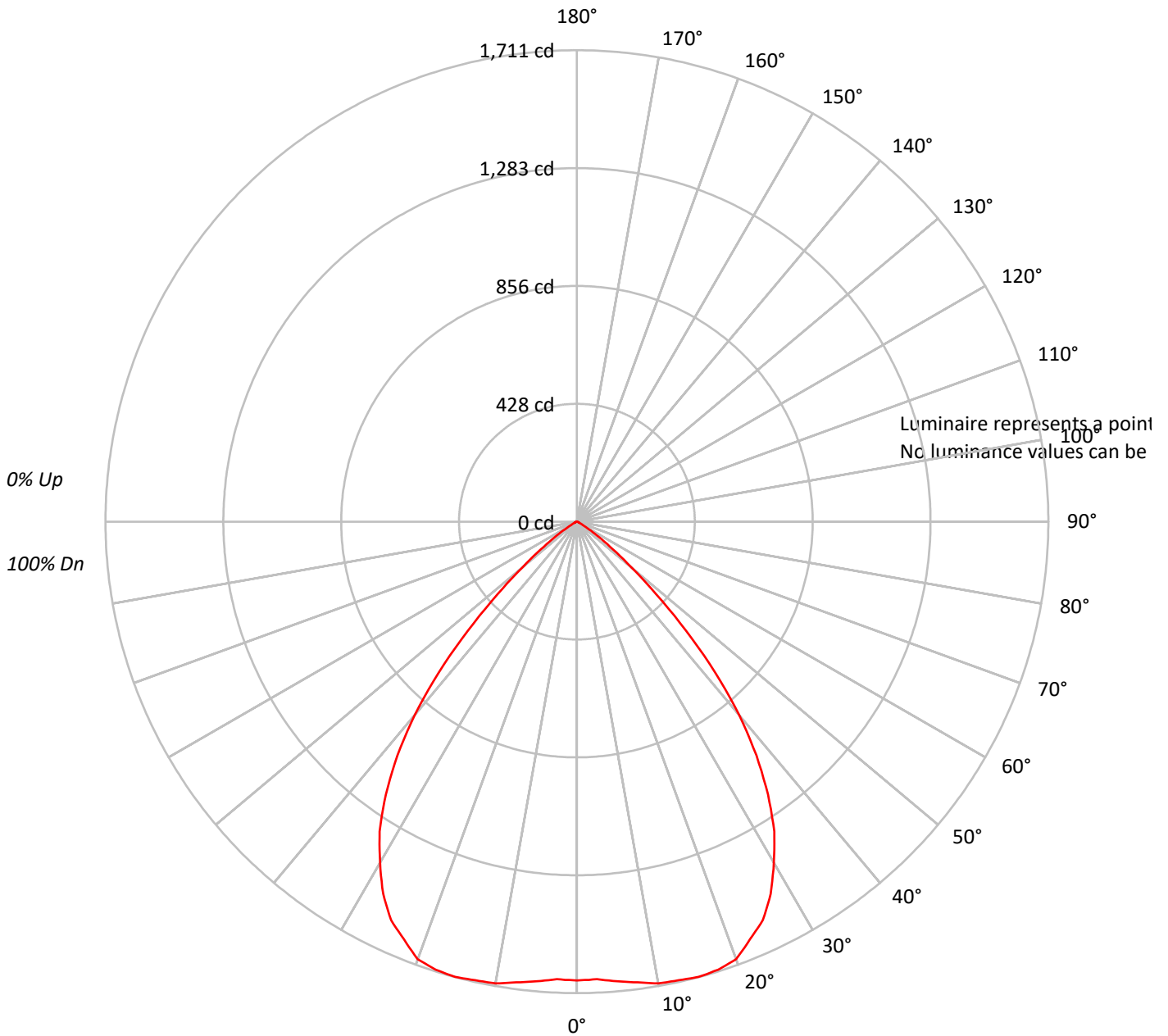
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P205214

CATALOG NUMBER: LE_6B30D010 EC6B30509727 6LBWLI1

Luminous Intensity Polar Plot





TEST NUMBER: P205214

CATALOG NUMBER: LE_6B30D010 EC6B30509727 6LBWLI1

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	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92			
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83			
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76			
4	93	85	78	73	92	84	78	73	81	76	72	79	75	71	77	74	70	69			
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63			
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57			
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52			
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48			
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44			
10	65	54	47	43	64	53	47	42	52	46	42	51	46	42	51	46	42	41			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P205214

CATALOG NUMBER: LE_6B30D010 EC6B30509727 6LBWLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.7	6.0
10°-20°	482.9	18.1
20°-30°	727.9	27.3
30°-40°	745.0	27.9
40°-50°	434.0	16.3
50°-60°	99.7	3.7
60°-70°	12.3	0.5
70°-80°	3.2	0.1
80°-90°	0.0	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°	1371.4	51.4
0°-40°	2116.5	79.4
0°-60°	2650.3	99.4
0°-90°	2665.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2665.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1665	
5°	1674	161
15°	1711	483
25°	1596	728
35°	1209	745
45°	559	434
55°	97	100
65°	9	12
75°	3	3
85°	0	0
90°	0	



TEST NUMBER: P205214

CATALOG NUMBER: LE_6B30D010 EC6B30509727 6LBWLI1

CANDELA DISTRIBUTION (FULL):

	0°
0°	1665.2
2.5°	1662.2
5°	1674.4
7.5°	1686.5
10°	1701.6
12.5°	1704.6
15°	1710.6
17.5°	1704.6
20°	1689.5
22.5°	1641.1
25°	1595.8
27.5°	1523.2
30°	1429.5
32.5°	1332.9
35°	1208.9
37.5°	1069.9
40°	915.8
42.5°	743.5
45°	559.1
47.5°	389.9
50°	256.9
52.5°	163.2
55°	96.8
57.5°	51.4
60°	27.2
62.5°	15.1
65°	9.1
67.5°	9.1
70°	6.0
72.5°	3.0
75°	3.0
77.5°	3.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)