

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: P204182

Luminaire Tested: **LE_6B30D010 EC6B30509030 6LBSH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204182
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 EC6B30509030 6LBSH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SEMI-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: 3285.3 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

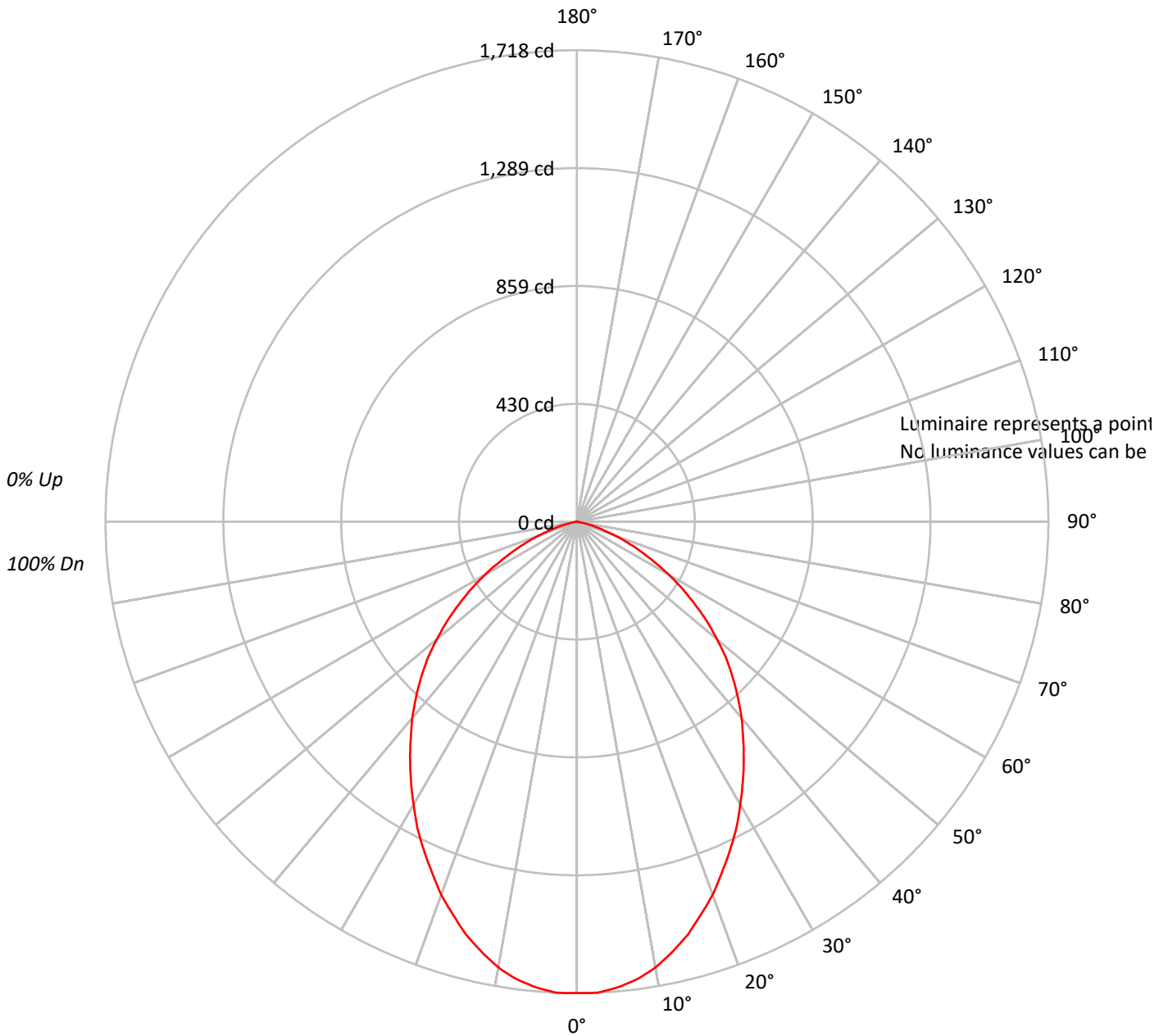
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204182

CATALOG NUMBER: LE_6B30D010 EC6B30509030 6LBSH1

Luminous Intensity Polar Plot





TEST NUMBER: P204182

CATALOG NUMBER: LE_6B30D010 EC6B30509030 6LBSH1

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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204182

CATALOG NUMBER: LE_6B30D010 EC6B30509030 6LBSH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.9	4.9
10°-20°	437.4	13.3
20°-30°	607.5	18.5
30°-40°	662.9	20.2
40°-50°	618.4	18.8
50°-60°	469.4	14.3
60°-70°	257.0	7.8
70°-80°	70.7	2.2
80°-90°	1.0	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°	1205.9	36.7
0°-40°	1868.8	56.9
0°-60°	2956.6	90.0
0°-90°	3285.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3285.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1718	
5°	1704	161
15°	1559	437
25°	1320	607
35°	1060	663
45°	803	618
55°	524	469
65°	257	257
75°	62	71
85°	0	1
90°	0	



TEST NUMBER: P204182

CATALOG NUMBER: LE_6B30D010 EC6B30509030 6LBSH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	1718.2
2.5°	1718.2
5°	1703.8
7.5°	1682.0
10°	1649.5
12.5°	1606.1
15°	1559.0
17.5°	1501.1
20°	1446.9
22.5°	1381.8
25°	1320.2
27.5°	1258.8
30°	1190.1
32.5°	1125.0
35°	1059.9
37.5°	994.8
40°	933.2
42.5°	868.1
45°	803.0
47.5°	737.9
50°	665.6
52.5°	596.9
55°	524.5
57.5°	455.8
60°	387.0
62.5°	318.4
65°	256.9
67.5°	199.0
70°	148.2
72.5°	101.2
75°	61.5
77.5°	29.0
80°	7.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)