

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: P204186

Luminaire Tested: **LE_6B30D010 EC6B30509727 6LBSH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204186
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 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: 2747.3 lumens
Efficiency: N/A
Efficacy: 98.1 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

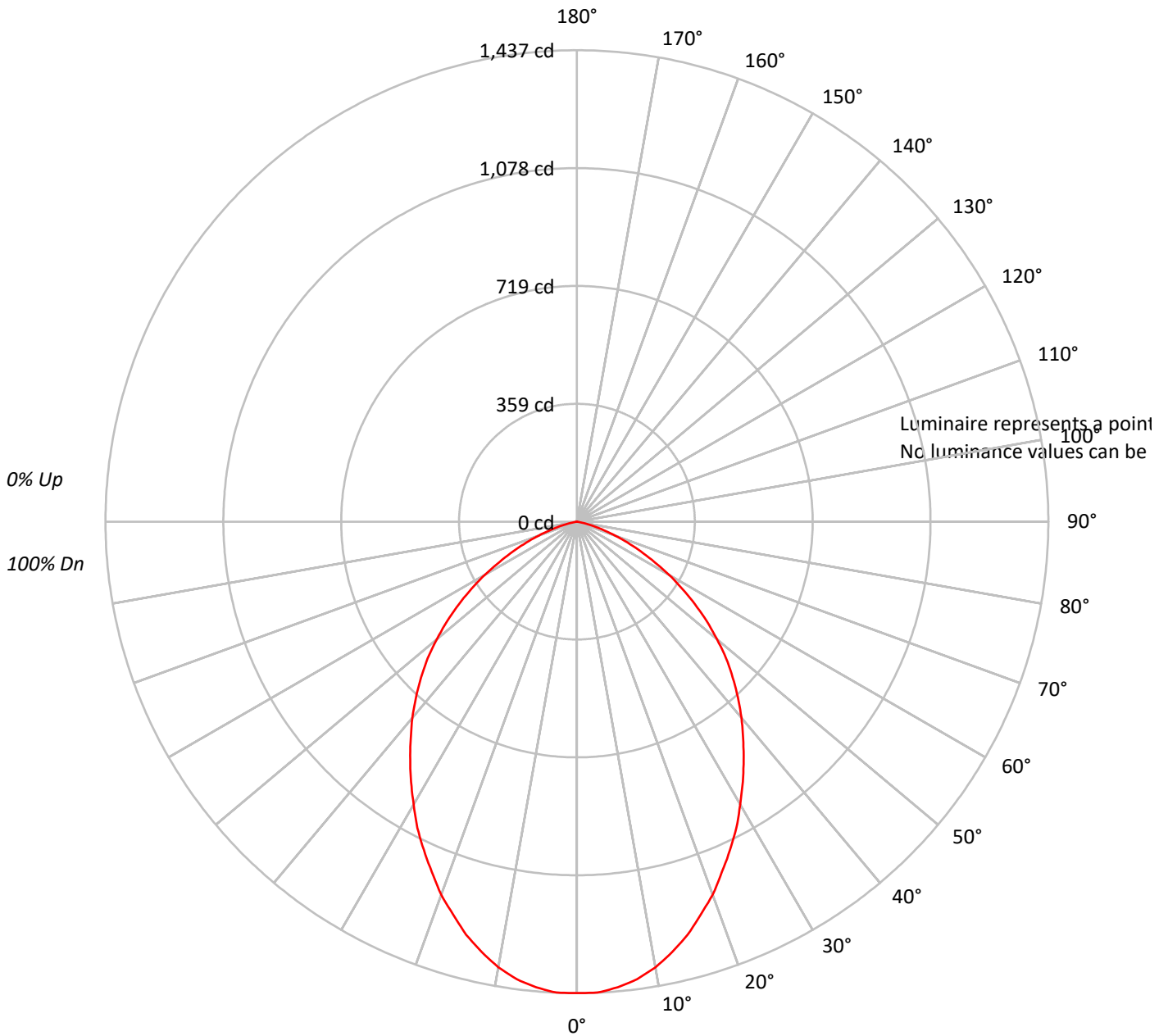
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204186

CATALOG NUMBER: LE_6B30D010 EC6B30509727 6LBSH1

Luminous Intensity Polar Plot





TEST NUMBER: P204186

CATALOG NUMBER: LE_6B30D010 EC6B30509727 6LBSH1

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			
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: P204186

CATALOG NUMBER: LE_6B30D010 EC6B30509727 6LSH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.6	4.9
10°-20°	365.8	13.3
20°-30°	508.0	18.5
30°-40°	554.4	20.2
40°-50°	517.1	18.8
50°-60°	392.5	14.3
60°-70°	214.9	7.8
70°-80°	59.1	2.2
80°-90°	0.8	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°	1008.4	36.7
0°-40°	1562.8	56.9
0°-60°	2472.4	90.0
0°-90°	2747.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2747.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1437	
5°	1425	135
15°	1304	366
25°	1104	508
35°	886	554
45°	672	517
55°	439	392
65°	215	215
75°	51	59
85°	0	1
90°	0	



TEST NUMBER: P204186

CATALOG NUMBER: LE_6B30D010 EC6B30509727 6LBSH1

CANDELA DISTRIBUTION (FULL):

0°	
0°	1436.9
2.5°	1436.9
5°	1424.8
7.5°	1406.6
10°	1379.4
12.5°	1343.0
15°	1303.8
17.5°	1255.4
20°	1210.0
22.5°	1155.5
25°	1104.1
27.5°	1052.6
30°	995.2
32.5°	940.8
35°	886.2
37.5°	831.9
40°	780.4
42.5°	726.0
45°	671.5
47.5°	617.1
50°	556.6
52.5°	499.1
55°	438.6
57.5°	381.1
60°	323.6
62.5°	266.2
65°	214.8
67.5°	166.4
70°	124.0
72.5°	84.8
75°	51.4
77.5°	24.2
80°	6.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)