

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: P202745

Luminaire Tested: **LE_6B30D010 EC6B30509730 6LBWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202745
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 EC6B30509730 6LBWH1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE 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: 2438.9 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

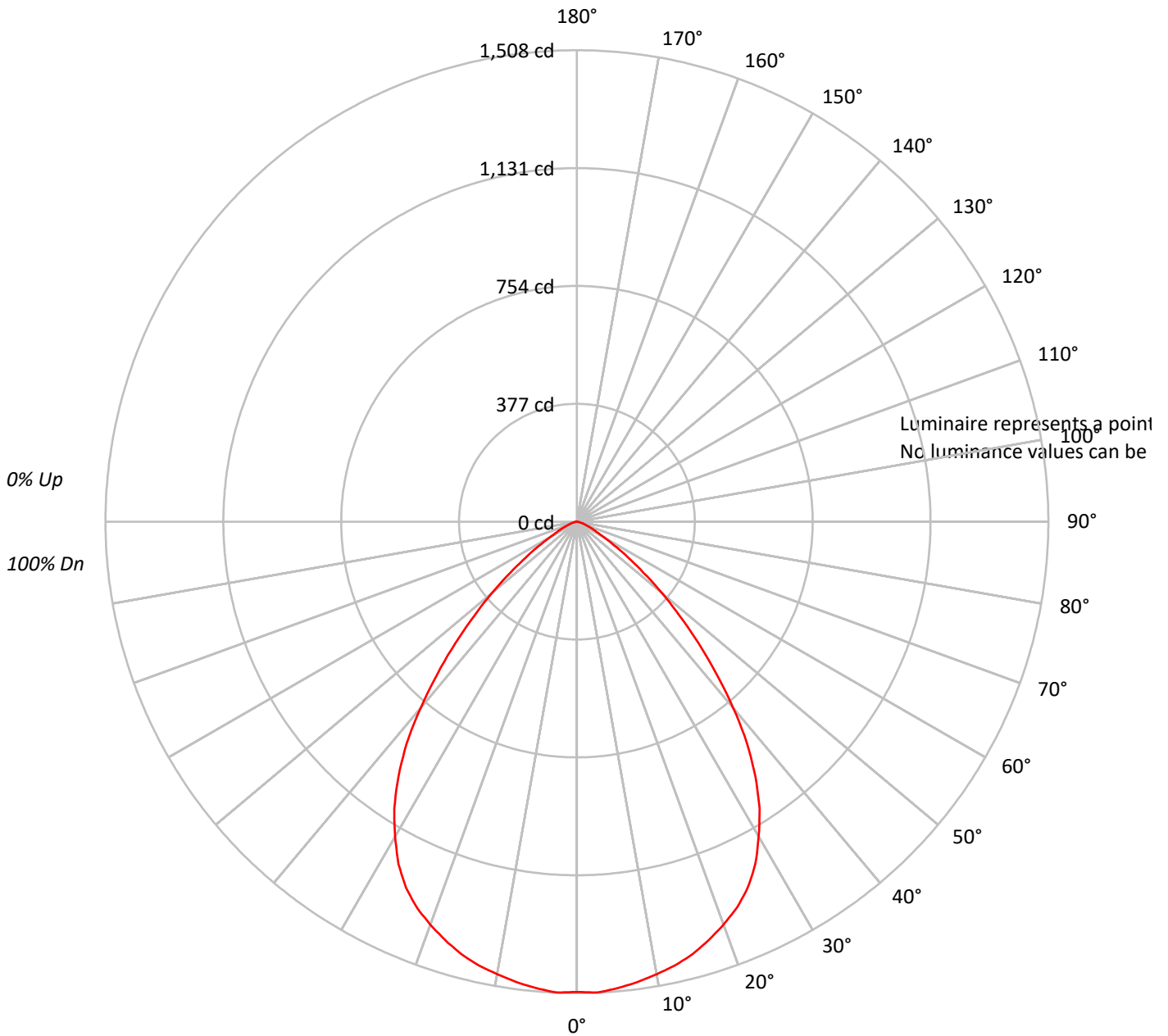
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P202745

CATALOG NUMBER: LE_6B30D010 EC6B30509730 6LBWH1

Luminous Intensity Polar Plot





TEST NUMBER: P202745

CATALOG NUMBER: LE_6B30D010 EC6B30509730 6LBWH1

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	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	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91																																				
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81																																				
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73																																				
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65																																				
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59																																				
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53																																				
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49																																				
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44																																				
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41																																				
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38																																				

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P202745

CATALOG NUMBER: LE_6B30D010 EC6B30509730 6LBWH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.1	5.8
10°-20°	403.1	16.5
20°-30°	591.1	24.2
30°-40°	615.2	25.2
40°-50°	425.6	17.5
50°-60°	185.3	7.6
60°-70°	56.8	2.3
70°-80°	17.1	0.7
80°-90°	2.6	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°	1136.3	46.6
0°-40°	1751.5	71.8
0°-60°	2362.4	96.9
0°-90°	2438.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2438.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1504	
5°	1498	142
15°	1432	403
25°	1292	591
35°	996	615
45°	550	426
55°	199	185
65°	54	57
75°	16	17
85°	3	3
90°	0	



TEST NUMBER: P202745

CATALOG NUMBER: LE_6B30D010 EC6B30509730 6LBWH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	1504.2
2.5°	1507.5
5°	1498.0
7.5°	1485.4
10°	1469.5
12.5°	1453.8
15°	1431.6
17.5°	1403.1
20°	1371.5
22.5°	1336.8
25°	1292.5
27.5°	1235.6
30°	1163.0
32.5°	1087.1
35°	995.5
37.5°	894.4
40°	777.4
42.5°	660.5
45°	549.9
47.5°	445.6
50°	354.0
52.5°	268.6
55°	199.1
57.5°	142.2
60°	98.0
62.5°	72.6
65°	53.8
67.5°	41.1
70°	28.5
72.5°	22.1
75°	15.8
77.5°	9.5
80°	6.4
82.5°	3.1
85°	3.1
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)