

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: P204176

Luminaire Tested: **LE_6B30D010 EC6B30508030 6LBSH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204176
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 EC6B30508030 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

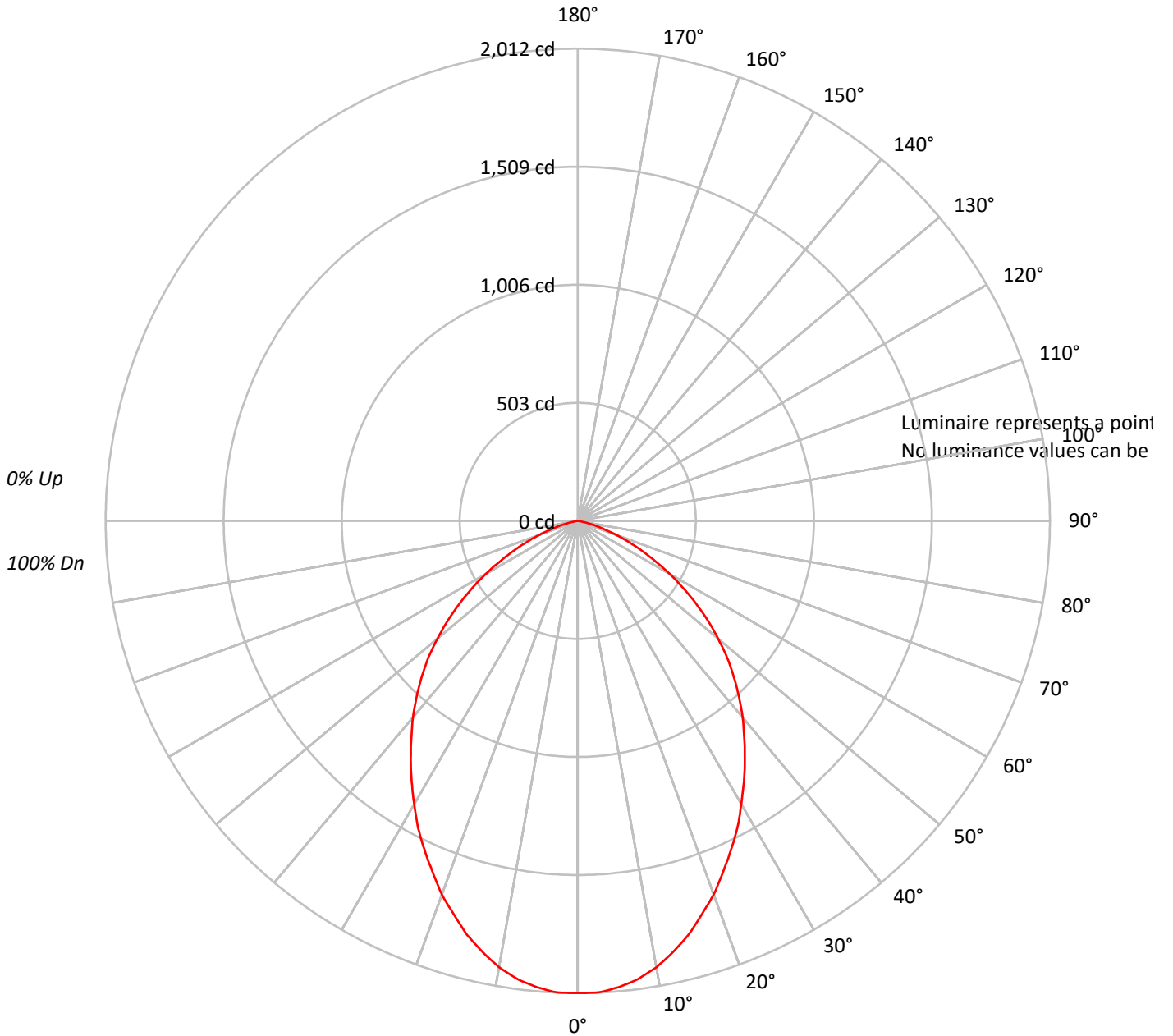
Lumens per Lamp: N/A
Luminaire Lumens: 3846.8 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

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: P204176
CATALOG NUMBER: LE_6B30D010 EC6B30508030 6LBSH1

Luminous Intensity Polar Plot





TEST NUMBER: P204176

CATALOG NUMBER: LE_6B30D010 EC6B30508030 6LBSH1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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: P204176

CATALOG NUMBER: LE_6B30D010 EC6B30508030 6LSBH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.4	4.9
10°-20°	512.2	13.3
20°-30°	711.3	18.5
30°-40°	776.2	20.2
40°-50°	724.1	18.8
50°-60°	549.6	14.3
60°-70°	301.0	7.8
70°-80°	82.8	2.2
80°-90°	1.2	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°	1412.0	36.7
0°-40°	2188.2	56.9
0°-60°	3461.9	90.0
0°-90°	3846.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3846.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2012	
5°	1995	188
15°	1826	512
25°	1546	711
35°	1241	776
45°	940	724
55°	614	550
65°	301	301
75°	72	83
85°	0	1
90°	0	



TEST NUMBER: P204176

CATALOG NUMBER: LE_6B30D010 EC6B30508030 6LBSH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2011.9
2.5°	2011.9
5°	1995.0
7.5°	1969.5
10°	1931.4
12.5°	1880.6
15°	1825.5
17.5°	1757.8
20°	1694.2
22.5°	1618.0
25°	1546.0
27.5°	1474.0
30°	1393.5
32.5°	1317.2
35°	1241.0
37.5°	1164.8
40°	1092.8
42.5°	1016.5
45°	940.2
47.5°	864.0
50°	779.4
52.5°	698.9
55°	614.1
57.5°	533.6
60°	453.2
62.5°	372.8
65°	300.8
67.5°	233.0
70°	173.6
72.5°	118.6
75°	72.0
77.5°	33.9
80°	8.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)