

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: P204886

Luminaire Tested: **LE_6B20D010 EC6B10208030 6LBCSMB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204886
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_6B20D010 EC6B10208030 6LBCSMB1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE BLACK TRIM
WATTAGE D010TR-21.86 W DE010-20.46 W D5LT-21.24 W DMX-20.89 W DL2-22.5 W
DL3-21.8 6 W DLE-22.46 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2364.3 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

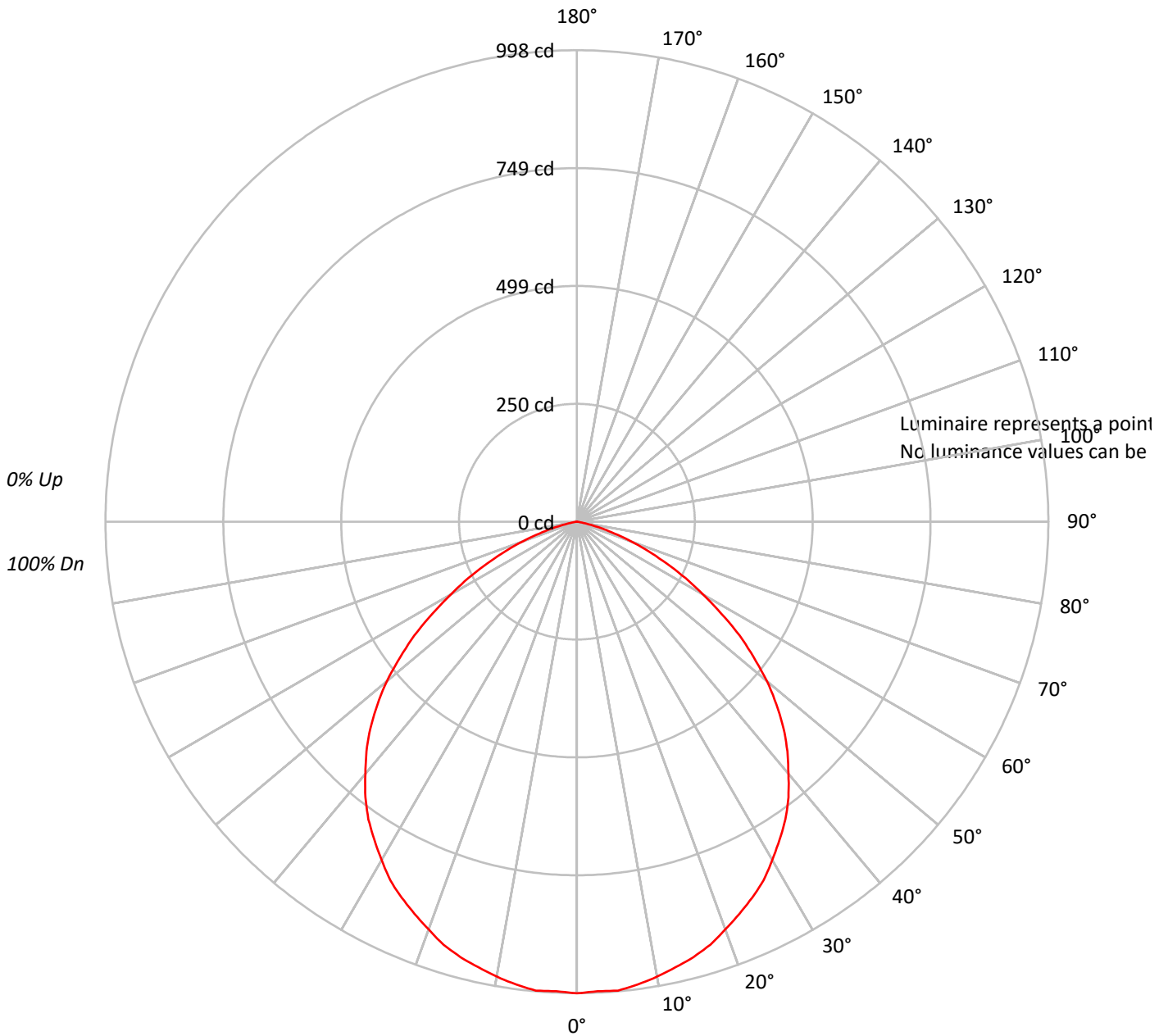
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204886

CATALOG NUMBER: LE_6B20D010 EC6B10208030 6LBCSMB1

Luminous Intensity Polar Plot





TEST NUMBER: P204886

CATALOG NUMBER: LE_6B20D010 EC6B10208030 6LBCSMB1

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	100	100	100
1	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88	88	88	88
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75	75	75	75
3	93	84	77	71	91	83	76	70	80	74	69	77	72	68	74	70	67	65	65	65	65
4	86	75	67	61	84	74	66	61	71	65	60	69	63	59	67	62	58	56	56	56	56
5	79	67	59	53	77	66	59	53	64	57	52	62	56	52	61	55	51	49	49	49	49
6	74	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43	43	43	43
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	39	39	39	39
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35	35	35	35
9	60	47	39	33	58	46	39	33	45	38	33	44	38	33	43	37	33	31	31	31	31
10	56	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	30	28	28	28	28

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204886

CATALOG NUMBER: LE_6B20D010 EC6B10208030 6LBCSMB1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.4	4.0
10°-20°	269.0	11.4
20°-30°	404.4	17.1
30°-40°	479.8	20.3
40°-50°	474.8	20.1
50°-60°	373.0	15.8
60°-70°	209.1	8.8
70°-80°	58.7	2.5
80°-90°	0.9	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°	767.8	32.5
0°-40°	1247.7	52.8
0°-60°	2095.5	88.6
0°-90°	2364.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2364.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	998	
5°	997	94
15°	954	269
25°	878	404
35°	770	480
45°	619	475
55°	420	373
65°	208	209
75°	51	59
85°	0	1
90°	0	



TEST NUMBER: P204886

CATALOG NUMBER: LE_6B20D010 EC6B10208030 6LBCSMB1

CANDELA DISTRIBUTION (FULL):

	0°
0°	998.4
2.5°	994.9
5°	996.6
7.5°	988.1
10°	978.0
12.5°	966.1
15°	954.2
17.5°	939.0
20°	918.6
22.5°	898.4
25°	878.0
27.5°	856.0
30°	827.1
32.5°	798.4
35°	769.5
37.5°	735.6
40°	696.6
42.5°	659.4
45°	618.6
47.5°	572.9
50°	525.4
52.5°	471.2
55°	420.4
57.5°	362.8
60°	308.5
62.5°	259.4
65°	208.5
67.5°	164.4
70°	122.0
72.5°	83.0
75°	50.9
77.5°	25.4
80°	6.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)