

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: P202497

Luminaire Tested: **LE_6B10D010 EC6B10209035 6LBSWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202497
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_6B10D010 EC6B10209035 6LBSWMH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH WARM HAZE TRIM
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W
DL3-11.1 W DLE-11.39 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1210.3 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1.1
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

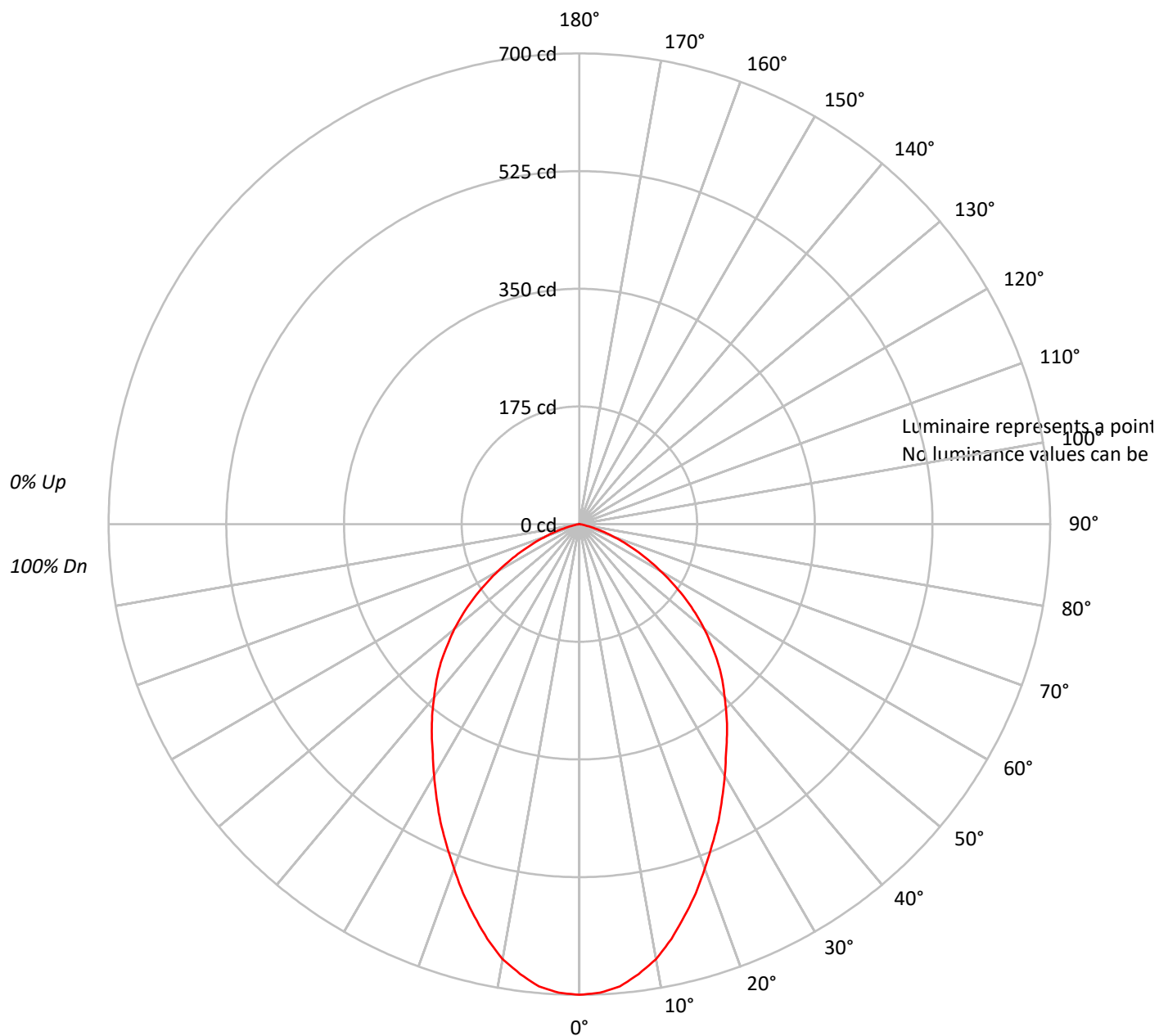
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P202497

CATALOG NUMBER: LE_6B10D010 EC6B10209035 6LBSWMH1

Luminous Intensity Polar Plot





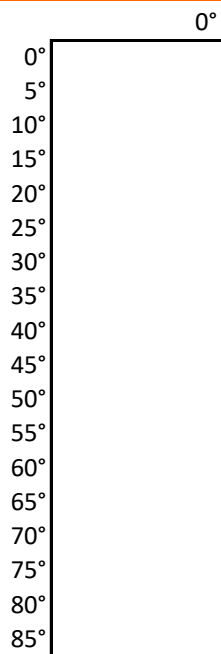
TEST NUMBER: P202497

CATALOG NUMBER: LE_6B10D010 EC6B10209035 6LBSWMH1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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	94	92	90	88		
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	84	81	79	77		
3	95	86	79	73	92	84	78	73	81	76	71	79	74	70	76	72	69	67		
4	88	77	70	64	86	76	69	63	74	67	62	71	66	62	69	65	61	59		
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52		
6	76	64	56	50	74	63	55	50	61	54	49	59	53	49	58	53	48	47		
7	70	58	50	45	69	57	50	45	56	49	44	55	48	44	53	48	44	42		
8	66	54	46	40	64	53	45	40	52	45	40	50	44	40	49	44	40	38		
9	62	49	42	37	61	49	42	37	48	41	37	47	41	36	46	40	36	35		
10	58	46	39	34	57	45	38	34	45	38	34	44	38	33	43	37	33	32		

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P202497

CATALOG NUMBER: LE_6B10D010 EC6B10209035 6LBSWMH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.8	5.4
10°-20°	169.3	14.0
20°-30°	224.4	18.5
30°-40°	239.4	19.8
40°-50°	223.8	18.5
50°-60°	170.6	14.1
60°-70°	92.8	7.7
70°-80°	24.9	2.1
80°-90°	0.3	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°	458.5	37.9
0°-40°	697.9	57.7
0°-60°	1092.3	90.3
0°-90°	1210.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1210.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	700	
5°	690	65
15°	604	169
25°	489	224
35°	383	239
45°	291	224
55°	192	171
65°	93	93
75°	22	25
85°	0	0
90°	0	



TEST NUMBER: P202497

CATALOG NUMBER: LE_6B10D010 EC6B10209035 6LBSWMH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	699.9
2.5°	697.6
5°	690.2
7.5°	674.8
10°	656.9
12.5°	631.8
15°	603.5
17.5°	575.4
20°	545.0
22.5°	516.0
25°	488.6
27.5°	459.6
30°	432.2
32.5°	405.5
35°	382.6
37.5°	359.6
40°	335.9
42.5°	314.4
45°	291.4
47.5°	266.1
50°	242.5
52.5°	217.2
55°	192.0
57.5°	164.6
60°	139.4
62.5°	115.6
65°	92.6
67.5°	71.9
70°	52.6
72.5°	36.4
75°	21.5
77.5°	9.6
80°	2.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)