

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: P204794

Luminaire Tested: **LE_6B20D010 EC6B10209730 6LBCSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204794
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 EC6B10209730 6LBCSMW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE WHITE 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: 2088.7 lumens
Efficiency: N/A
Efficacy: 100.4 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

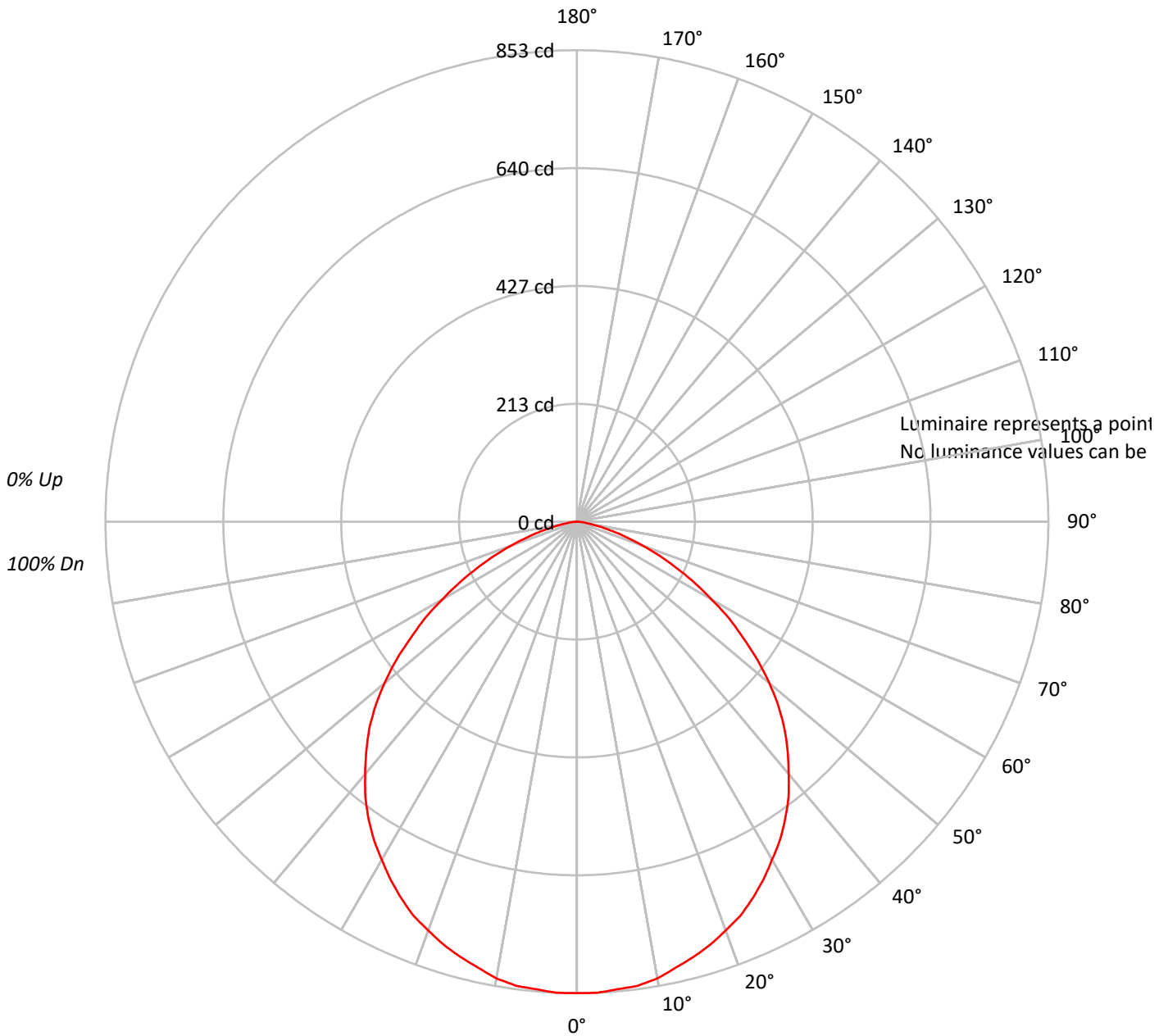
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204794

CATALOG NUMBER: LE_6B20D010 EC6B10209730 6LBCSMW1

Luminous Intensity Polar Plot





TEST NUMBER: P204794

CATALOG NUMBER: LE_6B20D010 EC6B10209730 6LBCSMW1

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	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87																			
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74																			
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63																			
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55																			
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48																			
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42																			
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37																			
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33																			
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30																			
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27																			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204794

CATALOG NUMBER: LE_6B20D010 EC6B10209730 6LBCSMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.8	3.9
10°-20°	230.1	11.0
20°-30°	346.2	16.6
30°-40°	410.2	19.6
40°-50°	408.2	19.5
50°-60°	329.1	15.8
60°-70°	199.1	9.5
70°-80°	73.9	3.5
80°-90°	11.0	0.5
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°	657.1	31.5
0°-40°	1067.3	51.1
0°-60°	1804.6	86.4
0°-90°	2088.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2088.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	853	
5°	849	81
15°	815	230
25°	752	346
35°	657	410
45°	532	408
55°	367	329
65°	200	199
75°	67	74
85°	9	11
90°	0	



TEST NUMBER: P204794

CATALOG NUMBER: LE_6B20D010 EC6B10209730 6LBCSMW1

CANDELA DISTRIBUTION (FULL):

	0°
0°	853.1
2.5°	853.1
5°	849.2
7.5°	846.8
10°	839.1
12.5°	826.5
15°	815.1
17.5°	802.5
20°	787.2
22.5°	772.1
25°	751.9
27.5°	730.4
30°	706.2
32.5°	683.5
35°	656.9
37.5°	629.0
40°	596.1
42.5°	564.5
45°	531.6
47.5°	494.9
50°	454.4
52.5°	412.6
55°	367.0
57.5°	326.5
60°	281.0
62.5°	240.5
65°	200.0
67.5°	162.0
70°	126.6
72.5°	94.9
75°	67.1
77.5°	43.0
80°	25.4
82.5°	15.2
85°	8.9
87.5°	3.8
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)