

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: P202726

Luminaire Tested: **LE_6B20D010 EC6B10209027 6LBWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202726
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 EC6B10209027 6LBWH1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SEMI-SPECULAR CLEAR 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: 1850.2 lumens
Efficiency: N/A
Efficacy: 89.0 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

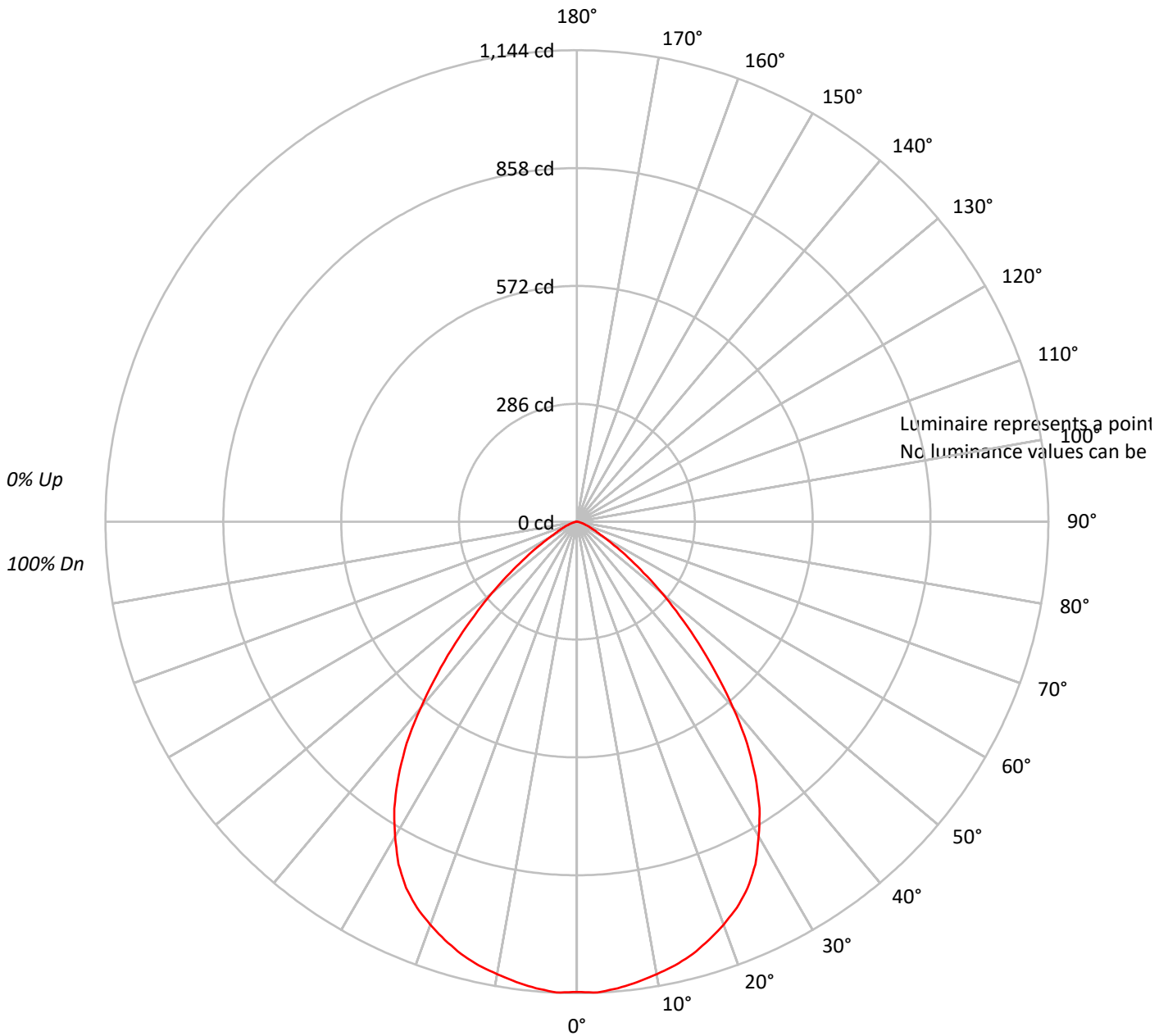
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P202726

CATALOG NUMBER: LE_6B20D010 EC6B10209027 6LBWH1

Luminous Intensity Polar Plot





TEST NUMBER: P202726

CATALOG NUMBER: LE_6B20D010 EC6B10209027 6LBWH1

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	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: P202726

CATALOG NUMBER: LE_6B20D010 EC6B10209027 6LBWH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.8	5.8
10°-20°	305.9	16.5
20°-30°	448.4	24.2
30°-40°	466.7	25.2
40°-50°	322.9	17.5
50°-60°	140.6	7.6
60°-70°	43.1	2.3
70°-80°	12.9	0.7
80°-90°	2.0	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°	862.1	46.6
0°-40°	1328.8	71.8
0°-60°	1792.2	96.9
0°-90°	1850.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1850.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1141	
5°	1136	108
15°	1086	306
25°	981	448
35°	755	467
45°	417	323
55°	151	141
65°	41	43
75°	12	13
85°	2	2
90°	0	



TEST NUMBER: P202726

CATALOG NUMBER: LE_6B20D010 EC6B10209027 6LBWH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	1141.2
2.5°	1143.6
5°	1136.5
7.5°	1126.9
10°	1114.9
12.5°	1102.9
15°	1086.1
17.5°	1064.5
20°	1040.5
22.5°	1014.1
25°	980.6
27.5°	937.5
30°	882.2
32.5°	824.8
35°	755.2
37.5°	678.5
40°	589.8
42.5°	501.1
45°	417.1
47.5°	338.0
50°	268.5
52.5°	203.8
55°	151.0
57.5°	107.9
60°	74.4
62.5°	55.1
65°	40.8
67.5°	31.1
70°	21.6
72.5°	16.8
75°	12.0
77.5°	7.2
80°	4.8
82.5°	2.4
85°	2.4
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)