

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: P204036

Luminaire Tested: **LE_6B10D010 EC6B10208035 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204036
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 EC6B10208035 6LBNMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH MATTE WHITE 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: 982.7 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

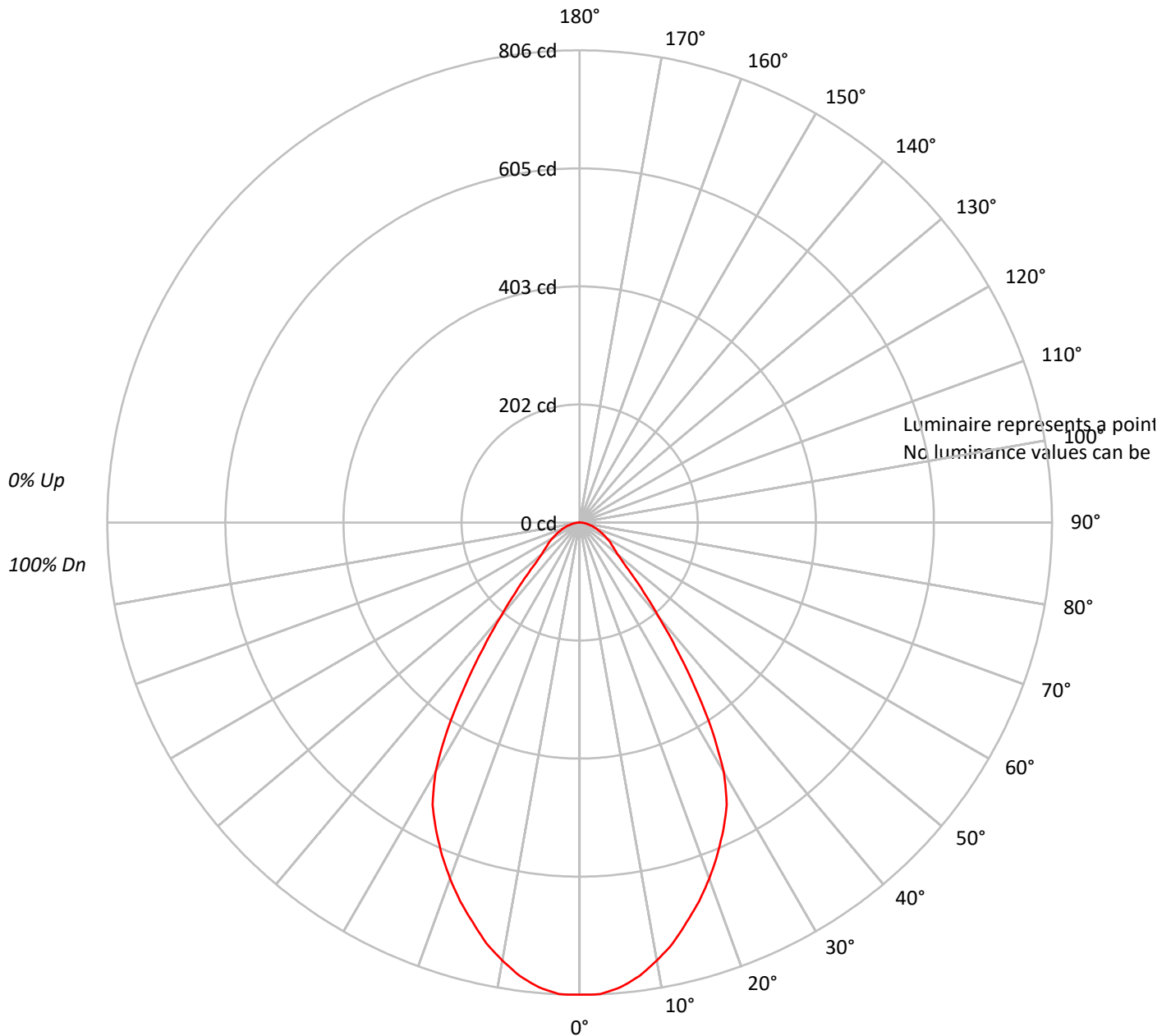
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204036

CATALOG NUMBER: LE_6B10D010 EC6B10208035 6LBNMW1

Luminous Intensity Polar Plot





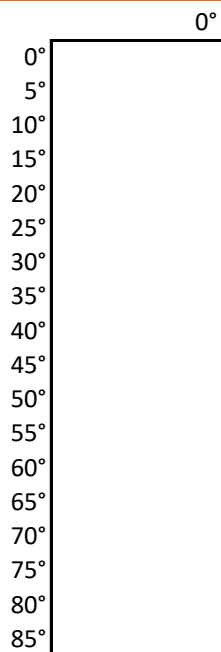
TEST NUMBER: P204036

CATALOG NUMBER: LE_6B10D010 EC6B10208035 6LBNMW1

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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	108	105	103	109	106	103	101		102	100	98		98	97	95		95	93	92
2	105	99	94	90	102	97	92	89		94	90	87		91	87	85		88	85	83
3	98	90	84	79	96	89	83	79		86	81	77		84	80	76		81	78	75
4	92	83	76	71	90	82	76	71		80	74	70		77	73	69		75	71	68
5	87	77	70	65	85	76	69	64		74	68	64		72	67	63		70	66	62
6	81	71	64	59	80	70	63	59		68	63	58		67	62	58		66	61	57
7	77	66	59	54	75	65	59	54		64	58	54		63	57	53		61	57	53
8	72	61	55	50	71	61	54	50		60	54	49		59	53	49		58	53	49
9	69	58	51	46	67	57	51	46		56	50	46		55	50	46		54	49	46
10	65	54	47	43	64	54	47	43		53	47	43		52	46	43		51	46	43

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204036

CATALOG NUMBER: LE_6B10D010 EC6B10208035 6LBNMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.8	7.6
10°-20°	198.4	20.2
20°-30°	264.8	27.0
30°-40°	213.7	21.7
40°-50°	102.4	10.4
50°-60°	60.7	6.2
60°-70°	40.4	4.1
70°-80°	21.6	2.2
80°-90°	5.9	0.6
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°	538.1	54.8
0°-40°	751.7	76.5
0°-60°	914.8	93.1
0°-90°	982.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	982.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	806	
5°	797	75
15°	706	198
25°	580	265
35°	342	214
45°	126	102
55°	67	61
65°	41	40
75°	20	22
85°	5	6
90°	0	



TEST NUMBER: P204036

CATALOG NUMBER: LE_6B10D010 EC6B10208035 6LBNMW1

CANDELA DISTRIBUTION (FULL):

	0°
0°	806.0
2.5°	806.0
5°	796.6
7.5°	781.0
10°	759.1
12.5°	735.6
15°	706.0
17.5°	677.9
20°	646.6
22.5°	613.9
25°	579.5
27.5°	543.5
30°	492.0
32.5°	420.1
35°	342.1
37.5°	270.2
40°	209.2
42.5°	162.5
45°	126.5
47.5°	100.0
50°	84.4
52.5°	75.0
55°	67.1
57.5°	60.9
60°	53.1
62.5°	46.9
65°	40.6
67.5°	34.4
70°	29.6
72.5°	25.0
75°	20.2
77.5°	15.6
80°	12.5
82.5°	9.4
85°	4.6
87.5°	1.5
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)