

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: P204976

Luminaire Tested: **LE_6B15D010 EC6B10208027 6LBCS1MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204976
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_6B15D010 EC6B10208027 6LBCS1MMS
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE METALLIC SILVER TRIM
WATTAGE D010TR-14.39 W DE010-14.29 W D5LT-14.34 W DMX-14.46 W DL2-15.8 W
DL3-15.28 W DLE-15.432 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1803.6 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.27
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

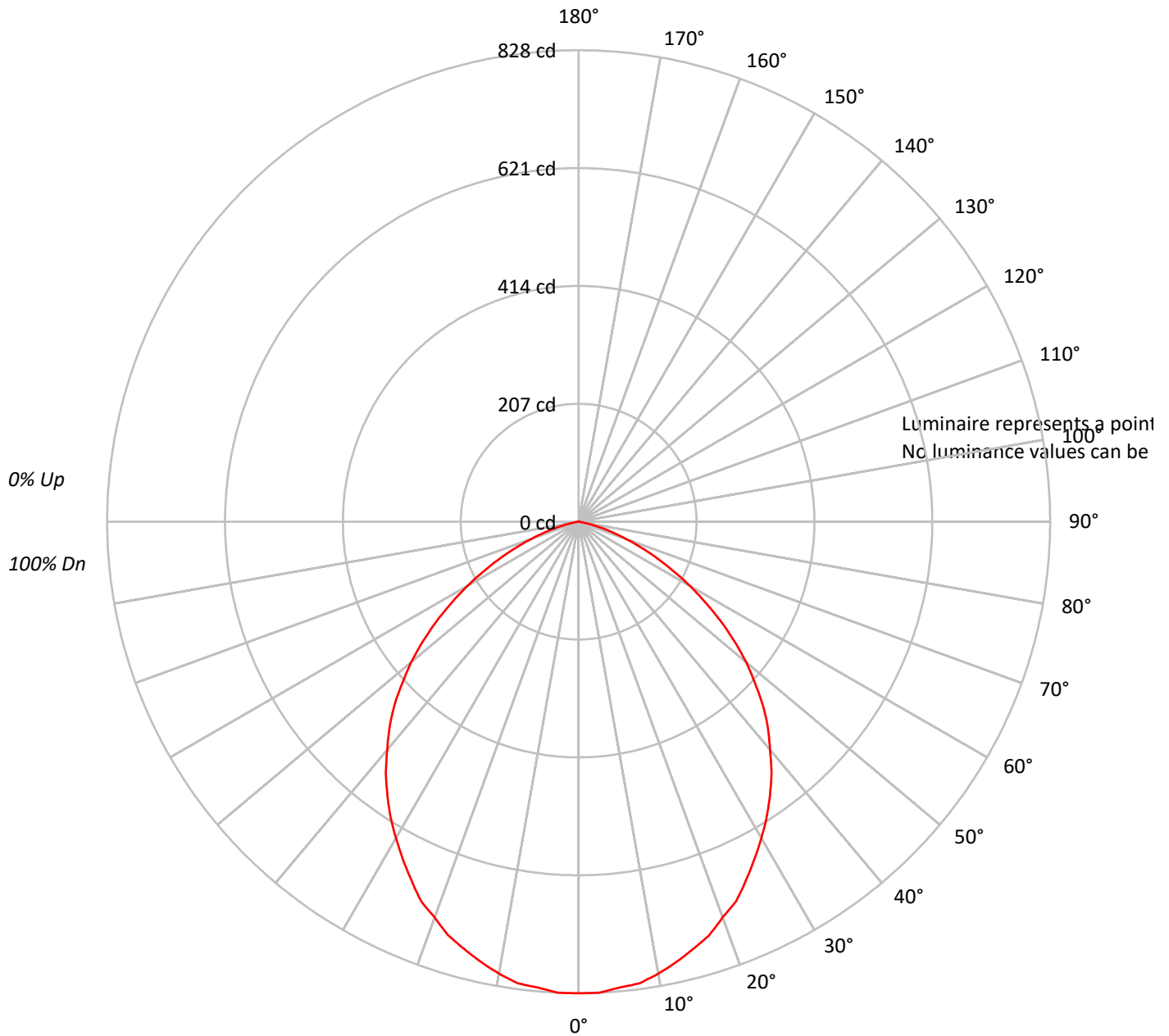
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204976

CATALOG NUMBER: LE_6B15D010 EC6B10208027 6LBCS1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P204976

CATALOG NUMBER: LE_6B15D010 EC6B10208027 6LBCS1MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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	111	107	103	100	108	105	101	98		100	98	95		97	94	92		93	91	90
2	102	95	89	84	99	93	88	83		90	85	81		86	83	79		83	80	78
3	94	85	77	72	92	83	76	71		80	74	70		77	73	69		75	71	67
4	87	76	68	62	84	74	67	61		72	66	61		70	64	60		68	63	59
5	80	68	60	54	78	67	59	54		65	58	53		63	57	53		61	56	52
6	74	62	54	48	72	61	53	47		59	52	47		58	51	47		56	51	46
7	69	56	48	42	67	56	48	42		54	47	42		53	46	42		51	46	41
8	64	52	44	38	63	51	43	38		50	43	38		48	42	38		47	42	37
9	60	48	40	35	59	47	40	34		46	39	34		45	39	34		44	38	34
10	57	44	36	31	55	43	36	31		43	36	31		42	35	31		41	35	31

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204976

CATALOG NUMBER: LE_6B15D010 EC6B10208027 6LBCS1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.1	4.3
10°-20°	219.0	12.1
20°-30°	319.9	17.7
30°-40°	365.9	20.3
40°-50°	351.6	19.5
50°-60°	271.5	15.1
60°-70°	151.5	8.4
70°-80°	44.1	2.4
80°-90°	1.9	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°	617.0	34.2
0°-40°	982.8	54.5
0°-60°	1606.0	89.0
0°-90°	1803.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1803.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	828	
5°	821	78
15°	777	219
25°	695	320
35°	586	366
45°	458	352
55°	304	272
65°	152	152
75°	38	44
85°	1	2
90°	0	



TEST NUMBER: P204976

CATALOG NUMBER: LE_6B15D010 EC6B10208027 6LBCS1MMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	828.2
2.5°	828.2
5°	821.2
7.5°	817.8
10°	806.1
12.5°	792.1
15°	776.9
17.5°	761.8
20°	739.6
22.5°	722.1
25°	695.2
27.5°	668.4
30°	641.6
32.5°	614.8
35°	585.6
37.5°	556.4
40°	522.6
42.5°	492.2
45°	458.5
47.5°	420.0
50°	383.8
52.5°	344.1
55°	304.5
57.5°	263.6
60°	225.1
62.5°	186.6
65°	151.6
67.5°	119.0
70°	88.6
72.5°	61.9
75°	38.5
77.5°	19.9
80°	7.0
82.5°	2.4
85°	1.1
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)