

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: P204358

Luminaire Tested: **LE_6B15D010 EC6B10208040 6LBSGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204358
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 EC6B10208040 6LBSGPH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH GRAPHITE HAZE 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: 1814.0 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.26
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

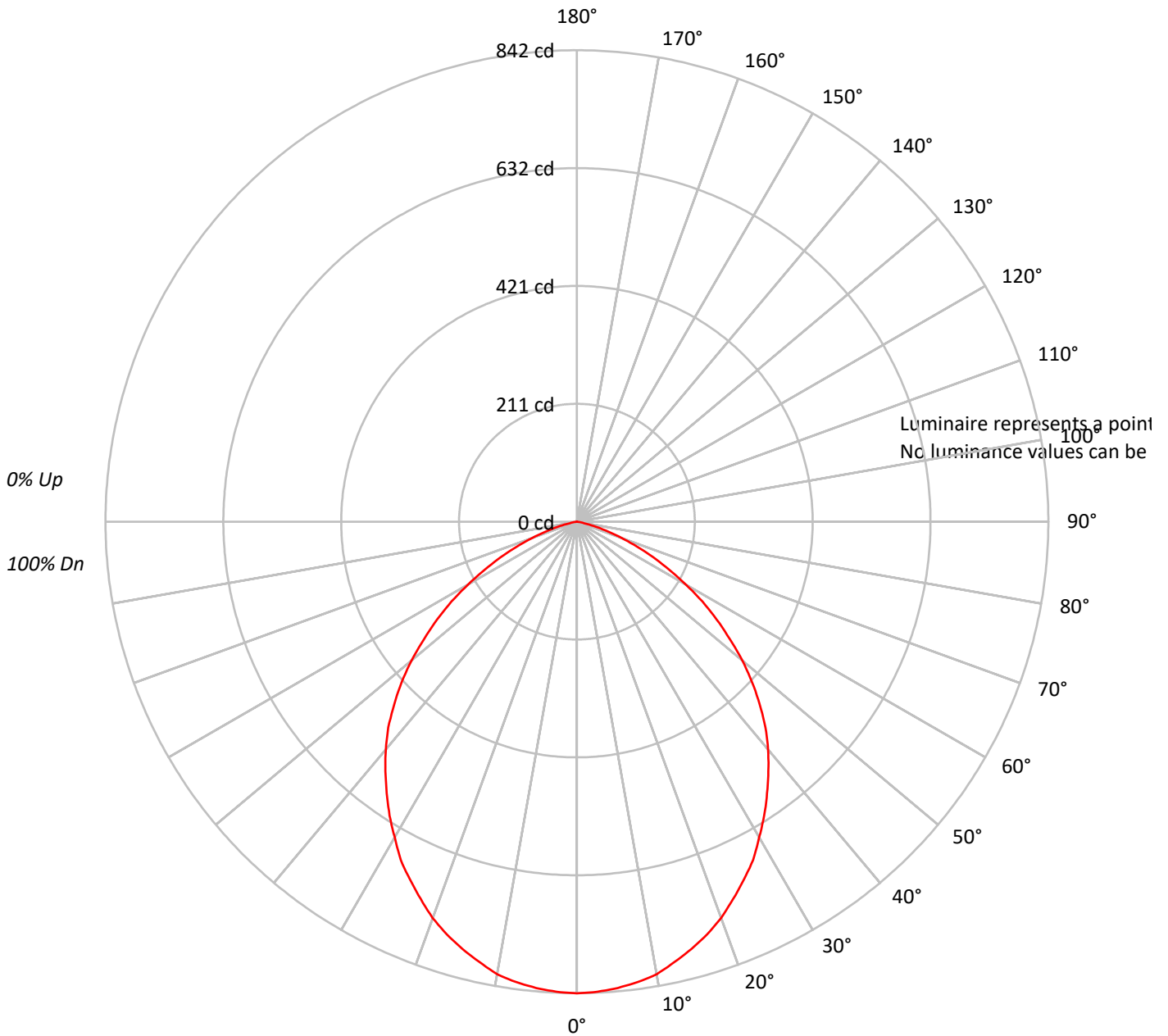
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204358

CATALOG NUMBER: LE_6B15D010 EC6B10208040 6LBSGPH1

Luminous Intensity Polar Plot





TEST NUMBER: P204358

CATALOG NUMBER: LE_6B15D010 EC6B10208040 6LBSGPH1

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	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	91	90	88																			
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76																			
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66																			
4	87	76	68	62	85	75	67	62	72	66	61	70	65	60	68	63	59	57																			
5	80	68	60	54	78	67	60	54	65	59	53	63	58	53	62	56	52	50																			
6	74	62	54	48	73	61	53	48	59	52	47	58	52	47	56	51	47	45																			
7	69	57	48	43	68	56	48	43	54	47	42	53	47	42	52	46	42	40																			
8	65	52	44	38	63	51	44	38	50	43	38	49	42	38	48	42	38	36																			
9	60	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34	32																			
10	57	44	37	32	56	44	36	32	43	36	31	42	36	31	41	35	31	30																			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204358

CATALOG NUMBER: LE_6B15D010 EC6B10208040 6LBSGPH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.3	4.4
10°-20°	222.7	12.3
20°-30°	324.8	17.9
30°-40°	370.4	20.4
40°-50°	355.2	19.6
50°-60°	272.1	15.0
60°-70°	149.3	8.2
70°-80°	39.7	2.2
80°-90°	0.6	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°	626.8	34.6
0°-40°	997.1	55.0
0°-60°	1624.4	89.5
0°-90°	1814.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1814.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	842	
5°	836	79
15°	790	223
25°	705	325
35°	592	370
45°	462	355
55°	305	272
65°	150	149
75°	35	40
85°	0	1
90°	0	



TEST NUMBER: P204358

CATALOG NUMBER: LE_6B15D010 EC6B10208040 6LBSGPH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	842.5
2.5°	840.4
5°	836.0
7.5°	829.5
10°	820.8
12.5°	805.5
15°	790.2
17.5°	772.9
20°	753.2
22.5°	729.4
25°	705.4
27.5°	681.4
30°	651.0
32.5°	622.6
35°	592.1
37.5°	561.8
40°	531.2
42.5°	498.5
45°	461.5
47.5°	424.5
50°	385.4
52.5°	344.0
55°	304.8
57.5°	265.6
60°	224.2
62.5°	185.0
65°	150.2
67.5°	115.4
70°	84.9
72.5°	56.6
75°	34.9
77.5°	15.2
80°	4.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)