

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: P203904

Luminaire Tested: **LE_6B50D010R EC6B30509730 6LBNGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203904
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_6B50D010R EC6B30509730 6LBNGPH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH GRAPHITE HAZE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2508.7 lumens
Efficiency: N/A
Efficacy: 42.7 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.88
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

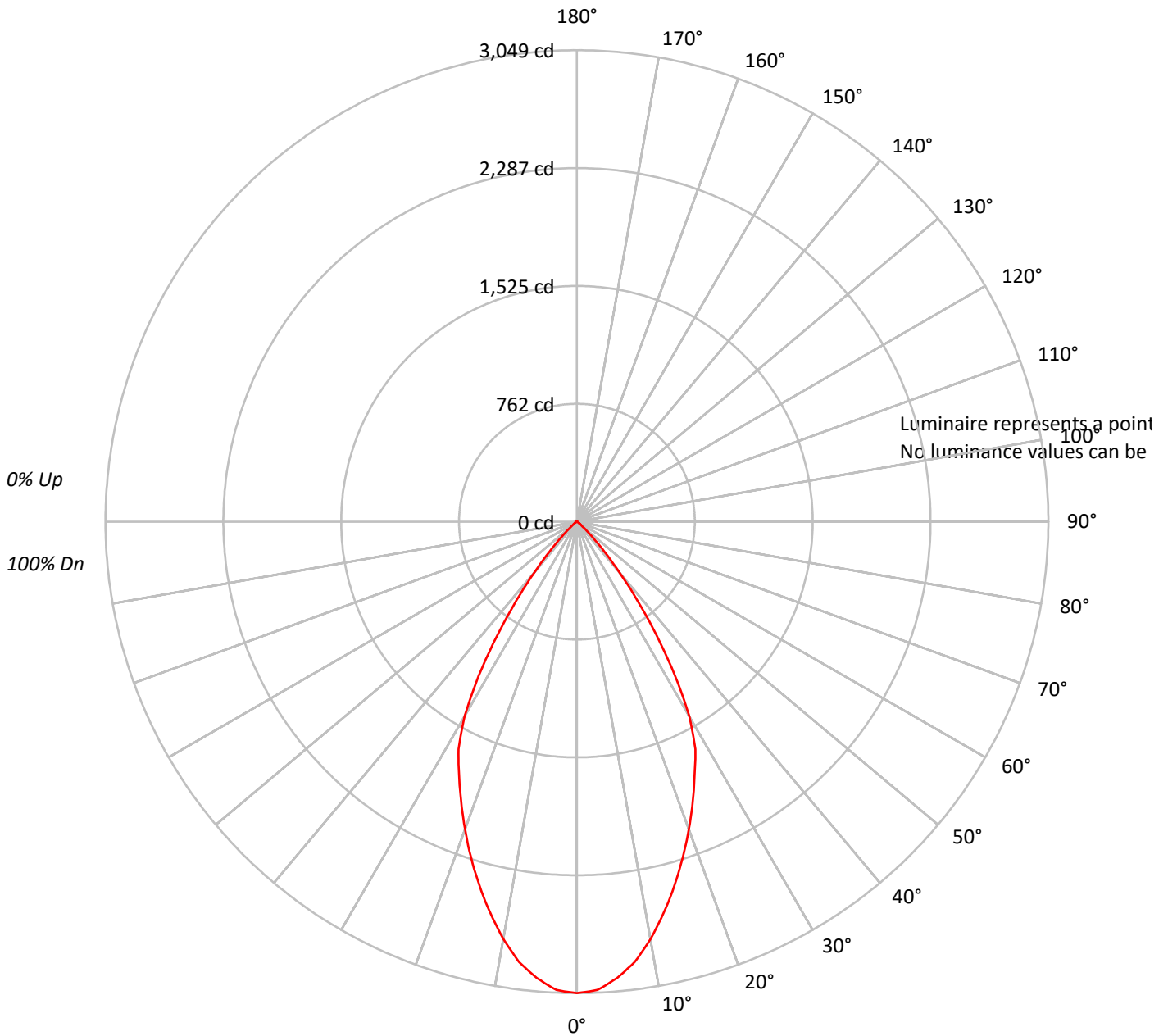
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203904

CATALOG NUMBER: LE_6B50D010R EC6B30509730 6LBNGPH1

Luminous Intensity Polar Plot





TEST NUMBER: P203904

CATALOG NUMBER: LE_6B50D010R EC6B30509730 6LBNGPH1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94			
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	91	89	87			
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81			
4	97	90	84	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76			
5	93	84	78	74	91	83	78	74	82	77	73	80	76	73	78	75	72	70			
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66			
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62			
8	79	70	64	60	78	69	64	60	68	63	60	67	63	59	66	62	59	58			
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54			
10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	55	52	51			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203904

CATALOG NUMBER: LE_6B50D010R EC6B30509730 6LBNGPH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.0	11.0
10°-20°	680.8	27.1
20°-30°	824.8	32.9
30°-40°	562.1	22.4
40°-50°	133.8	5.3
50°-60°	20.9	0.8
60°-70°	7.8	0.3
70°-80°	2.3	0.1
80°-90°	0.0	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°	1781.6	71.0
0°-40°	2343.8	93.4
0°-60°	2498.6	99.6
0°-90°	2508.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2508.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3049	
5°	2963	276
15°	2437	681
25°	1802	825
35°	898	562
45°	143	134
55°	23	21
65°	6	8
75°	0	2
85°	0	0
90°	0	



TEST NUMBER: P203904

CATALOG NUMBER: LE_6B50D010R EC6B30509730 6LBNGPH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	3049.2
2.5°	3032.0
5°	2963.4
7.5°	2871.9
10°	2740.2
12.5°	2591.5
15°	2437.1
17.5°	2276.9
20°	2116.8
22.5°	1956.5
25°	1802.1
27.5°	1659.0
30°	1453.1
32.5°	1184.2
35°	898.1
37.5°	640.8
40°	423.4
42.5°	263.1
45°	143.0
47.5°	74.4
50°	40.0
52.5°	28.6
55°	22.9
57.5°	17.1
60°	11.5
62.5°	11.5
65°	5.8
67.5°	5.8
70°	5.8
72.5°	5.8
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)