

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: P204106

Luminaire Tested: **LE_6B50D010R EC6B30509035 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204106
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 EC6B30509035 6LBNMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4177.5 lumens
Efficiency: N/A
Efficacy: 71.0 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

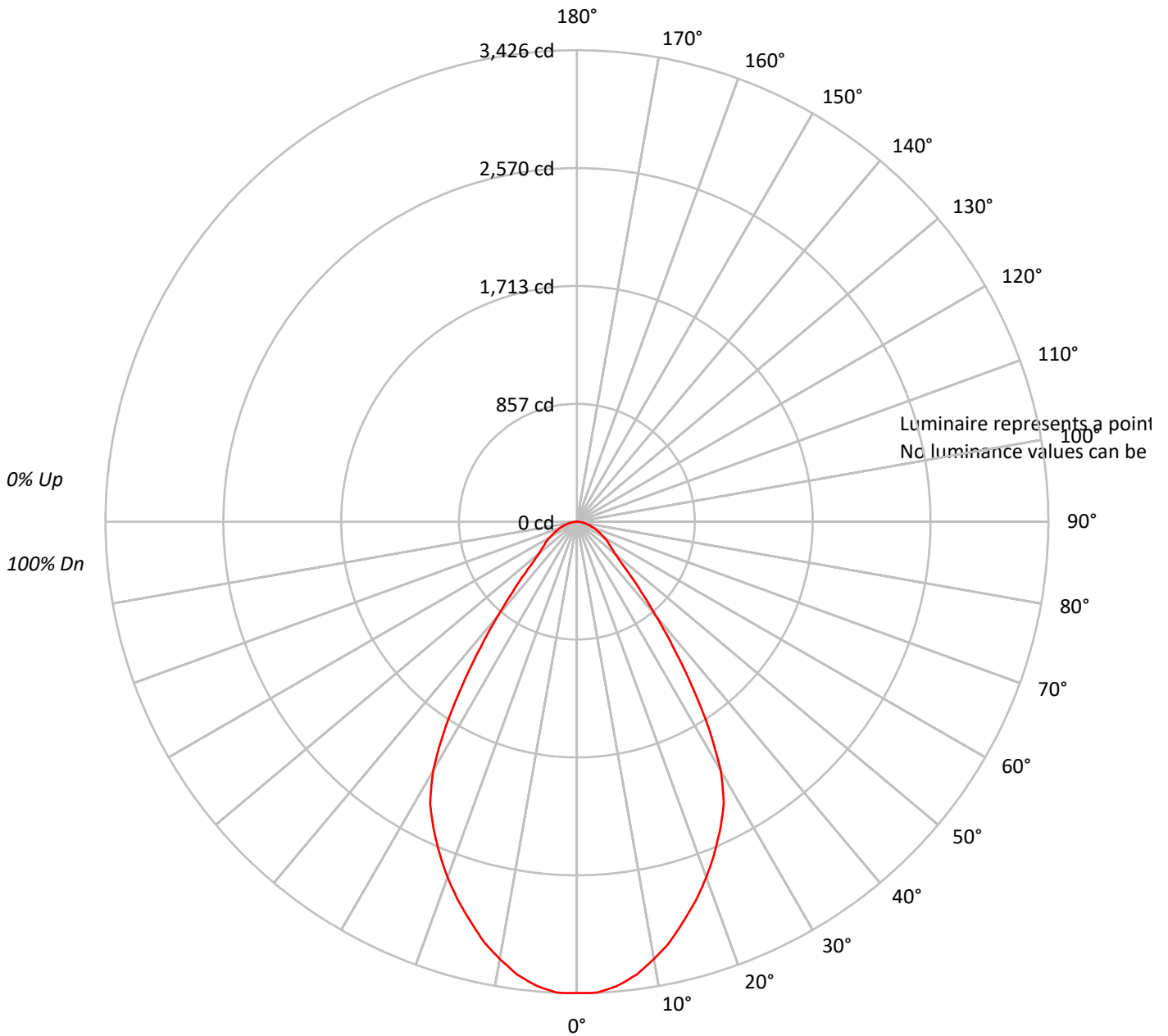
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204106

CATALOG NUMBER: LE_6B50D010R EC6B30509035 6LBNMW1

Luminous Intensity Polar Plot





TEST NUMBER: P204106

CATALOG NUMBER: LE_6B50D010R EC6B30509035 6LBNMW1

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	112	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90			
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81			
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73			
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66			
5	87	77	70	64	85	76	69	64	74	68	64	72	67	63	70	66	62	61			
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56			
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51			
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47			
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44			
10	65	54	47	43	64	54	47	43	53	47	43	52	46	43	51	46	43	41			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204106

CATALOG NUMBER: LE_6B50D010R EC6B30509035 6LBNMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.1	7.6
10°-20°	843.3	20.2
20°-30°	1125.8	26.9
30°-40°	908.3	21.7
40°-50°	435.3	10.4
50°-60°	258.1	6.2
60°-70°	171.5	4.1
70°-80°	91.9	2.2
80°-90°	25.3	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°	2287.2	54.8
0°-40°	3195.5	76.5
0°-60°	3888.9	93.1
0°-90°	4177.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4177.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3426	
5°	3386	318
15°	3001	843
25°	2463	1126
35°	1454	908
45°	538	435
55°	286	258
65°	173	172
75°	86	92
85°	20	25
90°	0	



TEST NUMBER: P204106

CATALOG NUMBER: LE_6B50D010R EC6B30509035 6LBNMW1

CANDELA DISTRIBUTION (FULL):

	0°
0°	3426.0
2.5°	3426.0
5°	3386.1
7.5°	3319.8
10°	3226.9
12.5°	3127.2
15°	3001.1
17.5°	2881.6
20°	2748.8
22.5°	2609.4
25°	2463.2
27.5°	2310.6
30°	2091.5
32.5°	1786.0
35°	1454.1
37.5°	1148.6
40°	889.8
42.5°	690.5
45°	537.8
47.5°	424.9
50°	358.5
52.5°	318.8
55°	285.5
57.5°	259.0
60°	225.8
62.5°	199.1
65°	172.6
67.5°	146.1
70°	126.1
72.5°	106.2
75°	86.4
77.5°	66.4
80°	53.1
82.5°	39.9
85°	19.9
87.5°	6.6
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)