

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: P203898

Luminaire Tested: **LE_6B50D010R EC6B30509027 6LBNGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203898
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 EC6B30509027 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: 2760.1 lumens
Efficiency: N/A
Efficacy: 46.9 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

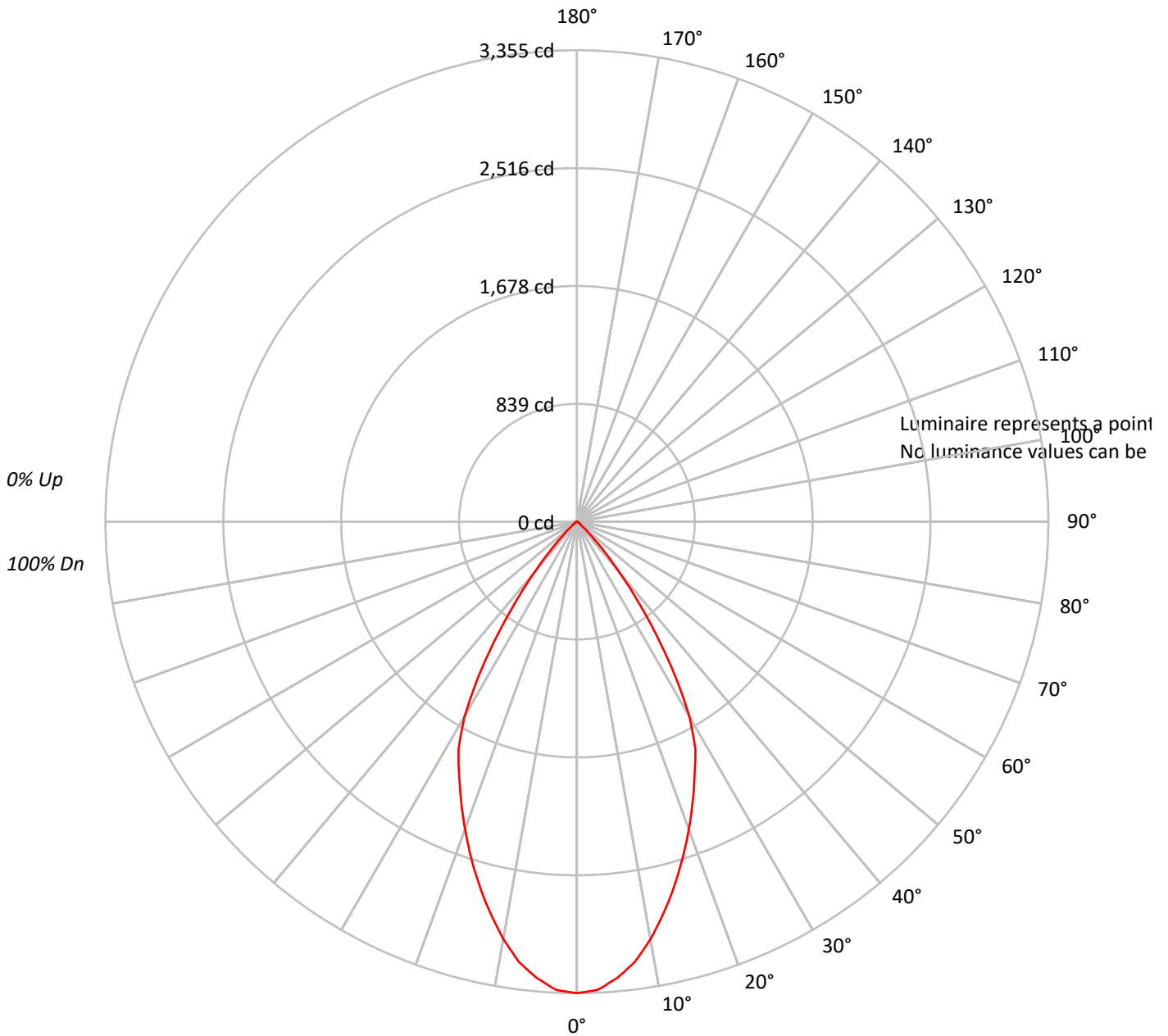
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203898

CATALOG NUMBER: LE_6B50D010R EC6B30509027 6LBNGPH1

Luminous Intensity Polar Plot





TEST NUMBER: P203898

CATALOG NUMBER: LE_6B50D010R EC6B30509027 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	80	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	56	52	51			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203898

CATALOG NUMBER: LE_6B50D010R EC6B30509027 6LBNGPH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.7	11.0
10°-20°	749.1	27.1
20°-30°	907.6	32.9
30°-40°	618.5	22.4
40°-50°	147.3	5.3
50°-60°	23.0	0.8
60°-70°	8.5	0.3
70°-80°	2.4	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°	1960.4	71.0
0°-40°	2578.9	93.4
0°-60°	2749.2	99.6
0°-90°	2760.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2760.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3355	
5°	3261	304
15°	2682	749
25°	1983	908
35°	988	618
45°	157	147
55°	25	23
65°	6	8
75°	0	2
85°	0	0
90°	0	



TEST NUMBER: P203898

CATALOG NUMBER: LE_6B50D010R EC6B30509027 6LBNGPH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	3355.1
2.5°	3336.2
5°	3260.6
7.5°	3160.0
10°	3015.1
12.5°	2851.5
15°	2681.5
17.5°	2505.2
20°	2329.0
22.5°	2152.8
25°	1982.9
27.5°	1825.5
30°	1598.9
32.5°	1303.0
35°	988.2
37.5°	705.0
40°	465.8
42.5°	289.5
45°	157.4
47.5°	81.9
50°	44.1
52.5°	31.5
55°	25.1
57.5°	18.9
60°	12.6
62.5°	12.6
65°	6.2
67.5°	6.2
70°	6.2
72.5°	6.2
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)