

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: P204417

Luminaire Tested: **LE_6B50D010R EC6B30509050 6LBSGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204417
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 EC6B30509050 6LBSGPH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW 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: 5563.8 lumens
Efficiency: N/A
Efficacy: 94.6 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

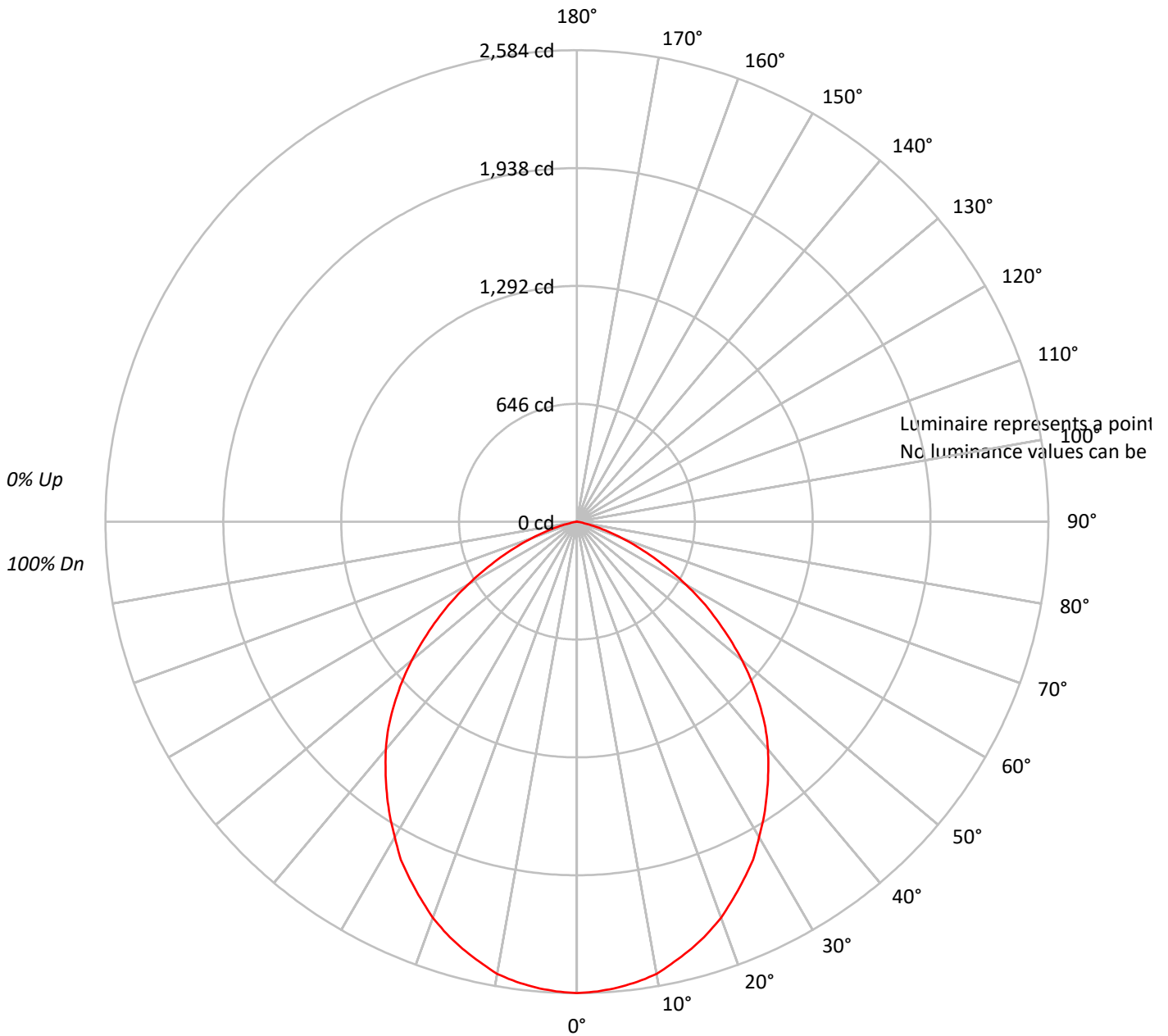
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204417

CATALOG NUMBER: LE_6B50D010R EC6B30509050 6LBSGPH1

Luminous Intensity Polar Plot





TEST NUMBER: P204417

CATALOG NUMBER: LE_6B50D010R EC6B30509050 6LBSGPH1

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
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: P204417

CATALOG NUMBER: LE_6B50D010R EC6B30509050 6LBSGPH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.3	4.4
10°-20°	682.9	12.3
20°-30°	996.1	17.9
30°-40°	1135.9	20.4
40°-50°	1089.6	19.6
50°-60°	834.5	15.0
60°-70°	457.9	8.2
70°-80°	121.8	2.2
80°-90°	1.8	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°	1922.3	34.5
0°-40°	3058.2	55.0
0°-60°	4982.2	89.5
0°-90°	5563.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5563.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2584	
5°	2564	243
15°	2424	683
25°	2163	996
35°	1816	1136
45°	1416	1090
55°	935	834
65°	461	458
75°	107	122
85°	0	2
90°	0	



TEST NUMBER: P204417

CATALOG NUMBER: LE_6B50D010R EC6B30509050 6LBSGPH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2584.0
2.5°	2577.4
5°	2564.0
7.5°	2544.0
10°	2517.2
12.5°	2470.5
15°	2423.8
17.5°	2370.4
20°	2310.2
22.5°	2236.9
25°	2163.4
27.5°	2090.0
30°	1996.5
32.5°	1909.6
35°	1816.2
37.5°	1722.8
40°	1629.2
42.5°	1529.1
45°	1415.5
47.5°	1302.0
50°	1181.9
52.5°	1055.0
55°	934.8
57.5°	814.6
60°	687.8
62.5°	567.5
65°	460.8
67.5°	353.9
70°	260.4
72.5°	173.6
75°	106.9
77.5°	46.8
80°	13.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)