

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: P204412

Luminaire Tested: **LE\_6B50D010R EC6B30509024 6LBSGPH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204412  
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 EC6B30509024 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: 4613.3 lumens  
Efficiency: N/A  
Efficacy: 78.5 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

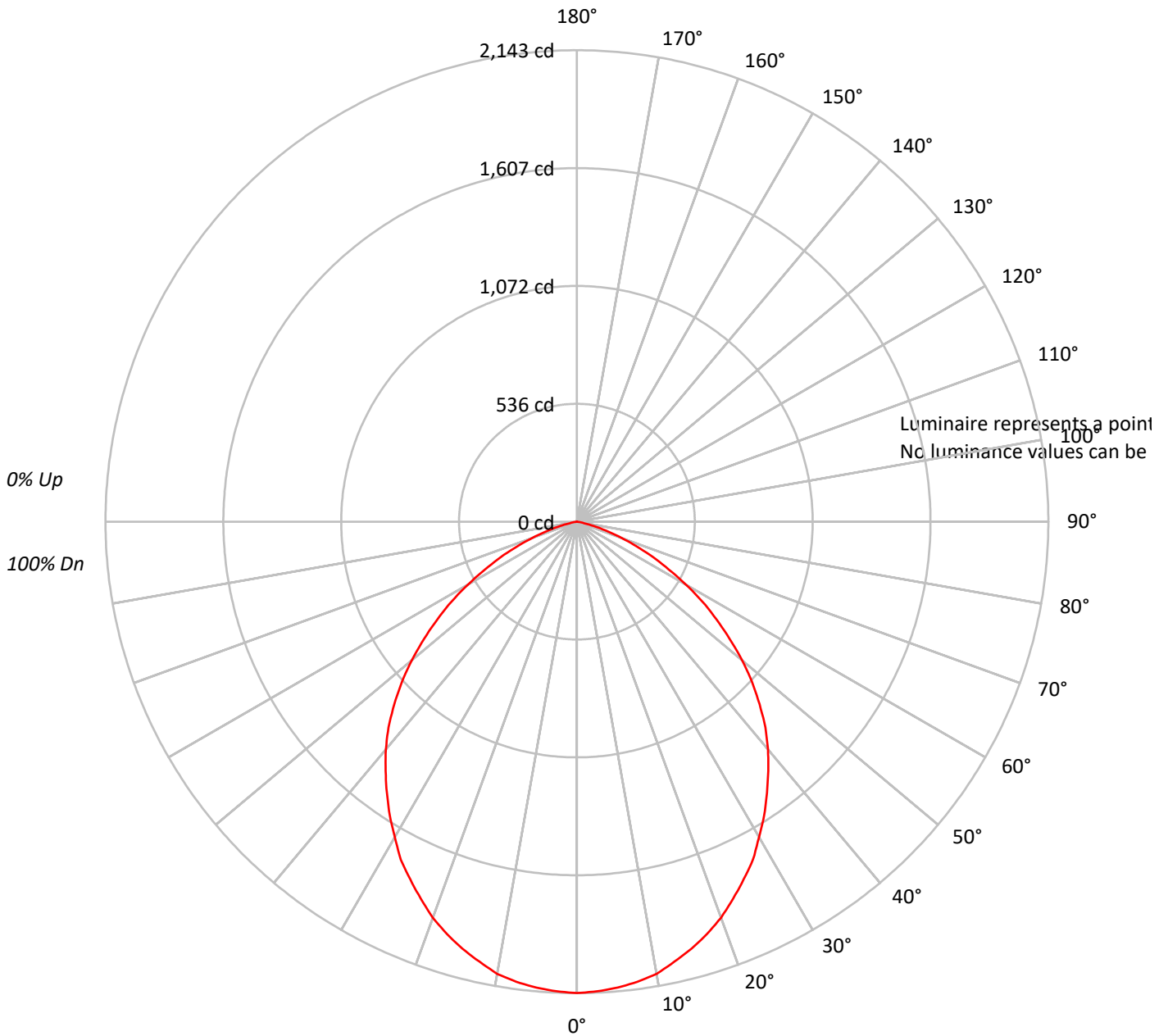
Input Watts (W): 58.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P204412

CATALOG NUMBER: LE\_6B50D010R EC6B30509024 6LBSGPH1

### Luminous Intensity Polar Plot





TEST NUMBER: P204412

CATALOG NUMBER: LE\_6B50D010R EC6B30509024 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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	91	90	88			88
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76			76
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66			66
4	87	76	68	62	85	75	67	62	72	66	61	70	65	60	68	63	59	57			57
5	80	68	60	54	78	67	60	54	65	59	53	63	58	53	62	56	52	50			50
6	74	62	54	48	73	61	53	48	59	52	47	58	52	47	56	51	47	45			45
7	69	57	48	43	68	56	48	43	54	47	42	53	47	42	52	46	42	40			40
8	65	52	44	38	63	51	44	38	50	43	38	49	42	38	48	42	38	36			36
9	60	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34	32			32
10	57	44	37	32	56	44	36	32	43	36	31	42	36	31	41	35	31	30			30

**AVERAGE LUMINANCE (cd/sqm):**





TEST NUMBER: P204412

CATALOG NUMBER: LE\_6B50D010R EC6B30509024 6LBSGPH1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	201.7	4.4
10°-20°	566.3	12.3
20°-30°	825.9	17.9
30°-40°	941.8	20.4
40°-50°	903.5	19.6
50°-60°	691.9	15.0
60°-70°	379.7	8.2
70°-80°	101.0	2.2
80°-90°	1.5	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°	1593.9	34.5
0°-40°	2535.7	55.0
0°-60°	4131.1	89.5
0°-90°	4613.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4613.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2143	
5°	2126	202
15°	2010	566
25°	1794	826
35°	1506	942
45°	1174	903
55°	775	692
65°	382	380
75°	89	101
85°	0	2
90°	0	



TEST NUMBER: P204412

CATALOG NUMBER: LE\_6B50D010R EC6B30509024 6LBSGPH1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2142.6
2.5°	2137.0
5°	2126.0
7.5°	2109.4
10°	2087.2
12.5°	2048.5
15°	2009.8
17.5°	1965.4
20°	1915.6
22.5°	1854.8
25°	1793.8
27.5°	1732.9
30°	1655.4
32.5°	1583.4
35°	1505.9
37.5°	1428.4
40°	1350.9
42.5°	1267.9
45°	1173.8
47.5°	1079.6
50°	980.0
52.5°	874.8
55°	775.1
57.5°	675.5
60°	570.2
62.5°	470.6
65°	382.0
67.5°	293.4
70°	215.9
72.5°	144.0
75°	88.6
77.5°	38.8
80°	11.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)