

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: P204413

Luminaire Tested: **LE\_6B50D010R EC6B30509027 6LBSGPH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204413  
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 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: 5243.7 lumens  
Efficiency: N/A  
Efficacy: 89.2 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

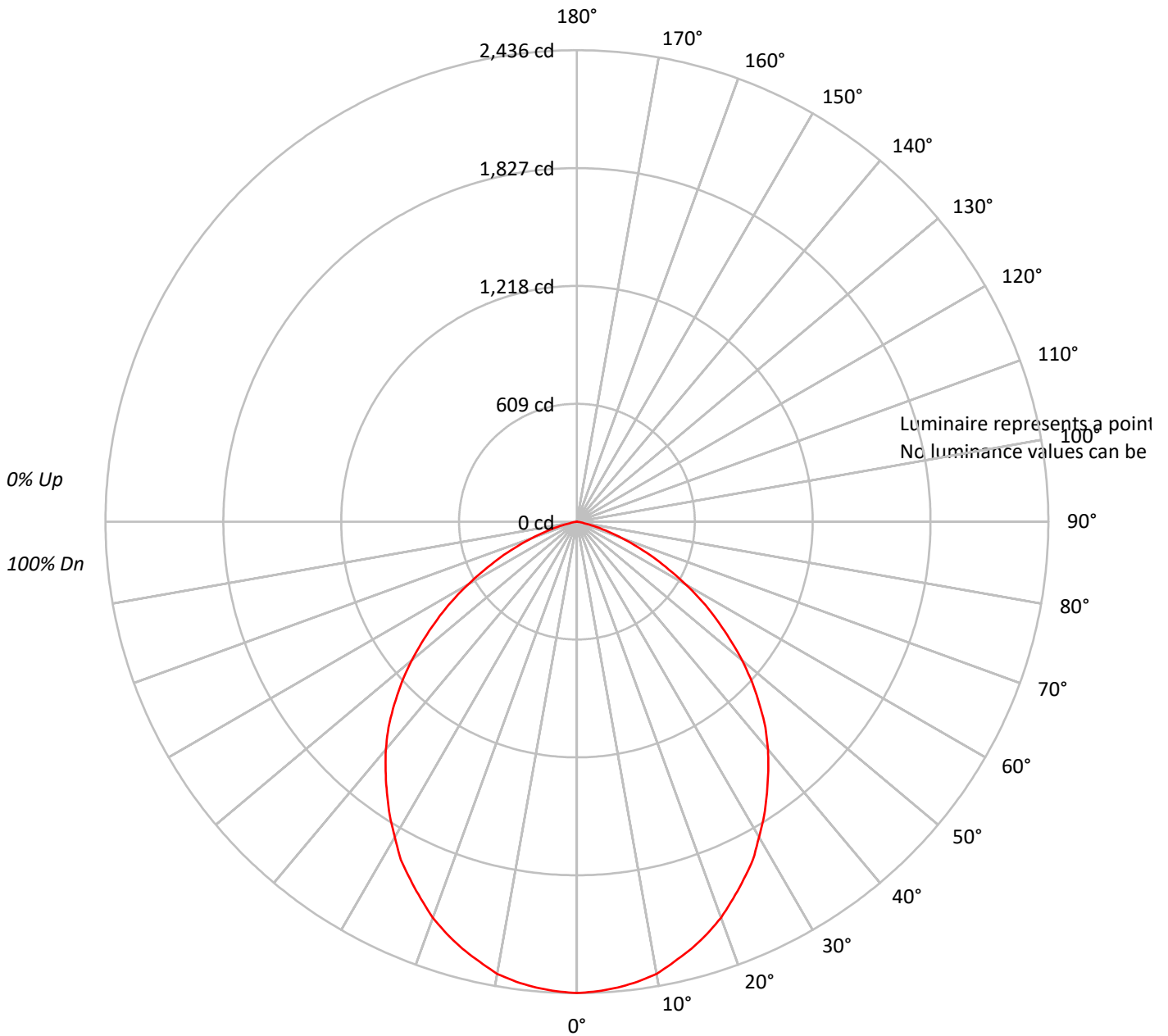
Input Watts (W): 58.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P204413

CATALOG NUMBER: LE\_6B50D010R EC6B30509027 6LBSGPH1

### Luminous Intensity Polar Plot





TEST NUMBER: P204413

CATALOG NUMBER: LE\_6B50D010R EC6B30509027 6LBSGPH1

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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	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: P204413

CATALOG NUMBER: LE\_6B50D010R EC6B30509027 6LBSGPH1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	229.3	4.4
10°-20°	643.7	12.3
20°-30°	938.8	17.9
30°-40°	1070.6	20.4
40°-50°	1026.9	19.6
50°-60°	786.5	15.0
60°-70°	431.6	8.2
70°-80°	114.8	2.2
80°-90°	1.7	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°	1811.7	34.6
0°-40°	2882.3	55.0
0°-60°	4695.7	89.5
0°-90°	5243.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5243.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2436	
5°	2417	229
15°	2284	644
25°	2039	939
35°	1712	1071
45°	1334	1027
55°	881	787
65°	434	432
75°	101	115
85°	0	2
90°	0	



TEST NUMBER: P204413

CATALOG NUMBER: LE\_6B50D010R EC6B30509027 6LBSGPH1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2435.5
2.5°	2429.1
5°	2416.6
7.5°	2397.8
10°	2372.5
12.5°	2328.5
15°	2284.4
17.5°	2234.1
20°	2177.5
22.5°	2108.2
25°	2039.0
27.5°	1969.8
30°	1881.6
32.5°	1799.9
35°	1711.8
37.5°	1623.6
40°	1535.5
42.5°	1441.1
45°	1334.1
47.5°	1227.1
50°	1113.9
52.5°	994.4
55°	881.0
57.5°	767.8
60°	648.2
62.5°	534.9
65°	434.2
67.5°	333.5
70°	245.4
72.5°	163.6
75°	100.8
77.5°	44.0
80°	12.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)