

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: P204934

Luminaire Tested: **LE\_6B50D010R EC6B30509050 6LBCSMB1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204934  
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 6LBCSMB1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH CAST MATTE BLACK TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5403.8 lumens  
Efficiency: N/A  
Efficacy: 91.9 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

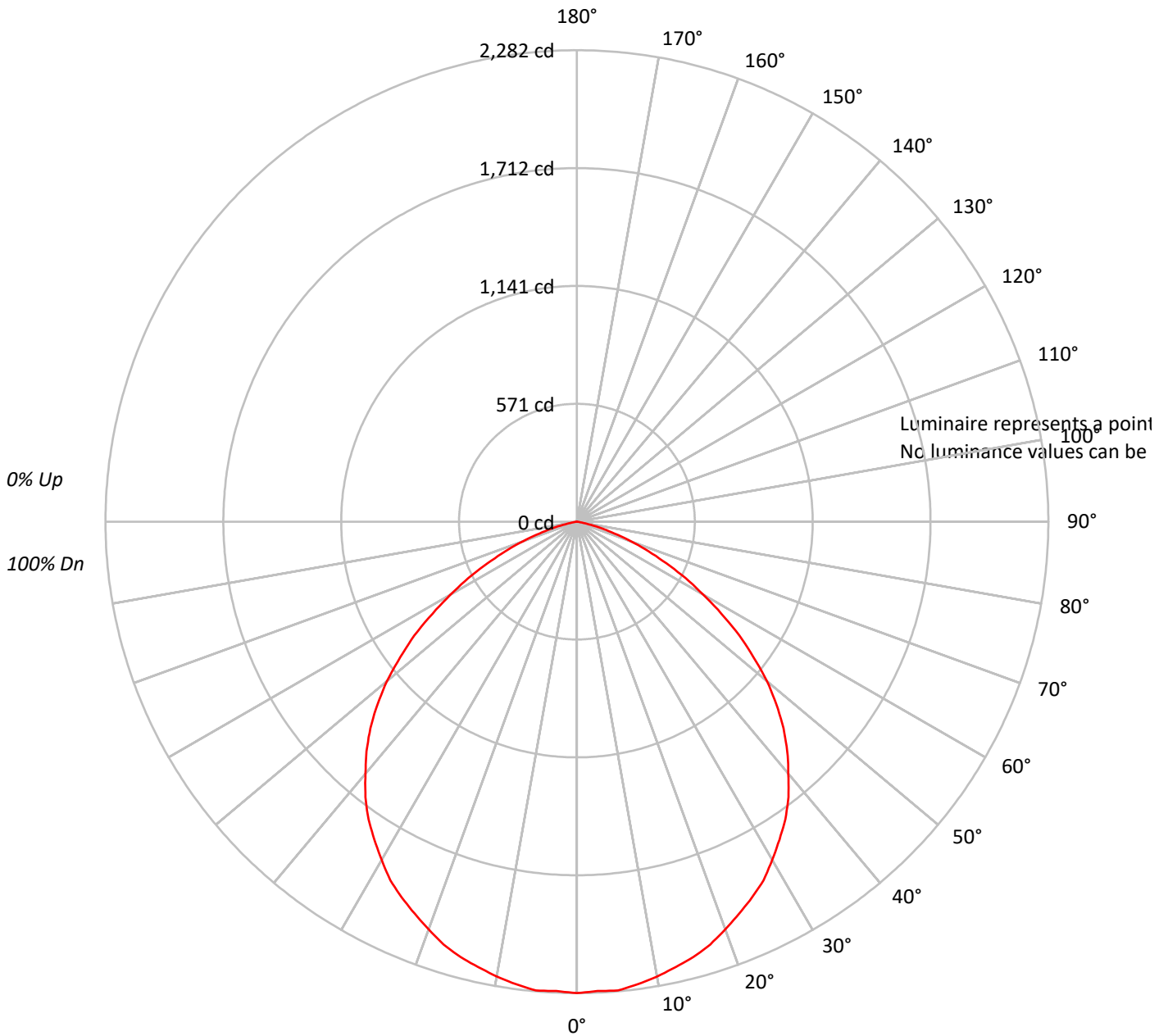
Input Watts (W): 58.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P204934

CATALOG NUMBER: LE\_6B50D010R EC6B30509050 6LBSCMB1

### Luminous Intensity Polar Plot





TEST NUMBER: P204934

CATALOG NUMBER: LE\_6B50D010R EC6B30509050 6LBCSMB1

**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	100	100
1	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88	88	88	88
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75	75	75	75
3	93	84	77	71	91	83	76	70	80	74	69	77	72	68	74	70	67	65	65	65	65
4	86	75	67	61	84	74	66	61	71	65	60	69	63	59	67	62	58	56	56	56	56
5	79	67	59	53	77	66	59	53	64	57	52	62	56	52	61	55	51	49	49	49	49
6	74	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43	43	43	43
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	39	39	39	39
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35	35	35	35
9	60	47	39	33	58	46	39	33	45	38	33	44	38	33	43	37	33	31	31	31	31
10	56	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	30	28	28	28	28

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





TEST NUMBER: P204934

CATALOG NUMBER: LE\_6B50D010R EC6B30509050 6LBSCMB1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	215.8	4.0
10°-20°	614.9	11.4
20°-30°	924.3	17.1
30°-40°	1096.7	20.3
40°-50°	1085.3	20.1
50°-60°	852.5	15.8
60°-70°	478.0	8.8
70°-80°	134.2	2.5
80°-90°	2.1	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°	1755.0	32.5
0°-40°	2851.7	52.8
0°-60°	4789.5	88.6
0°-90°	5403.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5403.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2282	
5°	2278	216
15°	2181	615
25°	2007	924
35°	1759	1097
45°	1414	1085
55°	961	853
65°	476	478
75°	116	134
85°	0	2
90°	0	



TEST NUMBER: P204934

CATALOG NUMBER: LE\_6B50D010R EC6B30509050 6LBSCMB1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2281.8
2.5°	2274.0
5°	2277.9
7.5°	2258.5
10°	2235.2
12.5°	2208.1
15°	2181.1
17.5°	2146.2
20°	2099.8
22.5°	2053.2
25°	2006.8
27.5°	1956.4
30°	1890.5
32.5°	1824.6
35°	1758.8
37.5°	1681.4
40°	1592.2
42.5°	1507.0
45°	1414.0
47.5°	1309.4
50°	1201.0
52.5°	1077.0
55°	960.8
57.5°	829.0
60°	705.1
62.5°	592.8
65°	476.5
67.5°	375.8
70°	278.9
72.5°	189.9
75°	116.2
77.5°	58.1
80°	15.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)