

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: P205028

Luminaire Tested: **LE\_6B50D010R EC6B30508035 6LBCS1MMS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205028  
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 EC6B30508035 6LBCS1MMS  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH CAST MATTE METALLIC SILVER TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7047.8 lumens  
Efficiency: N/A  
Efficacy: 119.9 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.27  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

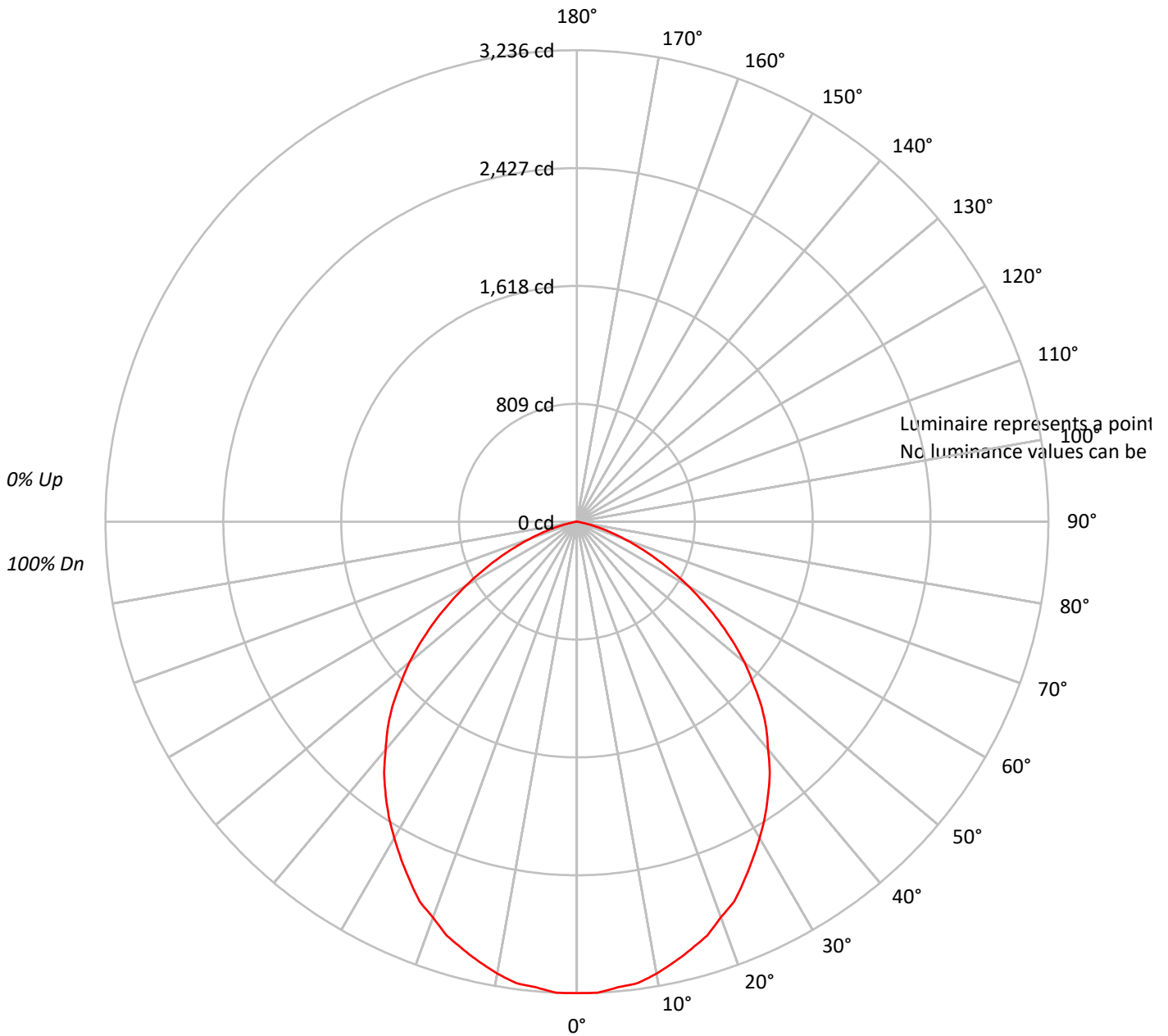
Input Watts (W): 58.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P205028

CATALOG NUMBER: LE\_6B50D010R EC6B30508035 6LBSC1MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P205028

CATALOG NUMBER: LE\_6B50D010R EC6B30508035 6LBCS1MMS

**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	105	101	98	100	98	95	97	94	92	93	91	90	88	88	88	88
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76	76	76	76
3	94	85	77	72	92	83	76	71	80	74	70	77	73	69	75	71	67	65	65	65	65
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57	57	57	57
5	80	68	60	54	78	67	59	54	65	58	53	63	57	53	61	56	52	50	50	50	50
6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	44	44	44	44
7	69	56	48	42	67	56	48	42	54	47	42	53	46	42	51	46	41	40	40	40	40
8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	36	36	36	36
9	60	48	40	35	59	47	40	34	46	39	34	45	39	34	44	38	34	32	32	32	32
10	57	44	36	31	55	43	36	31	43	36	31	42	35	31	41	35	31	29	29	29	29

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





TEST NUMBER: P205028

CATALOG NUMBER: LE\_6B50D010R EC6B30508035 6LBCS1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	305.0	4.3
10°-20°	855.9	12.1
20°-30°	1250.1	17.7
30°-40°	1429.8	20.3
40°-50°	1374.1	19.5
50°-60°	1061.1	15.1
60°-70°	592.2	8.4
70°-80°	172.4	2.4
80°-90°	7.4	0.1
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°	2410.9	34.2
0°-40°	3840.7	54.5
0°-60°	6275.8	89.0
0°-90°	7047.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7047.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3236	
5°	3209	305
15°	3036	856
25°	2717	1250
35°	2288	1430
45°	1792	1374
55°	1190	1061
65°	593	592
75°	150	172
85°	4	7
90°	0	



TEST NUMBER: P205028

CATALOG NUMBER: LE\_6B50D010R EC6B30508035 6LBCS1MMS

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3236.5
2.5°	3236.5
5°	3209.1
7.5°	3195.5
10°	3149.9
12.5°	3095.2
15°	3036.0
17.5°	2976.8
20°	2890.1
22.5°	2821.8
25°	2716.9
27.5°	2612.0
30°	2507.1
32.5°	2402.4
35°	2288.4
37.5°	2174.4
40°	2042.2
42.5°	1923.6
45°	1791.5
47.5°	1641.0
50°	1499.8
52.5°	1344.8
55°	1189.8
57.5°	1030.2
60°	879.8
62.5°	729.4
65°	592.6
67.5°	465.0
70°	346.5
72.5°	241.6
75°	150.4
77.5°	77.5
80°	27.4
82.5°	9.1
85°	4.5
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)