

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: P202535

Luminaire Tested: **LE\_6B30D010 EC6B30509035 6LBSWMH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P202535  
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\_6B30D010 EC6B30509035 6LBSWMH1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH WARM HAZE TRIM  
WATTAGE D010TR-27.4 W DE010-27.95 W D5LT-27.65 W DMX-27.73 W DL2-29.56 W  
DL3-29.67 W DLE-29.73 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3362.6 lumens  
Efficiency: N/A  
Efficacy: 120.1 lumens/watt  
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1.1  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

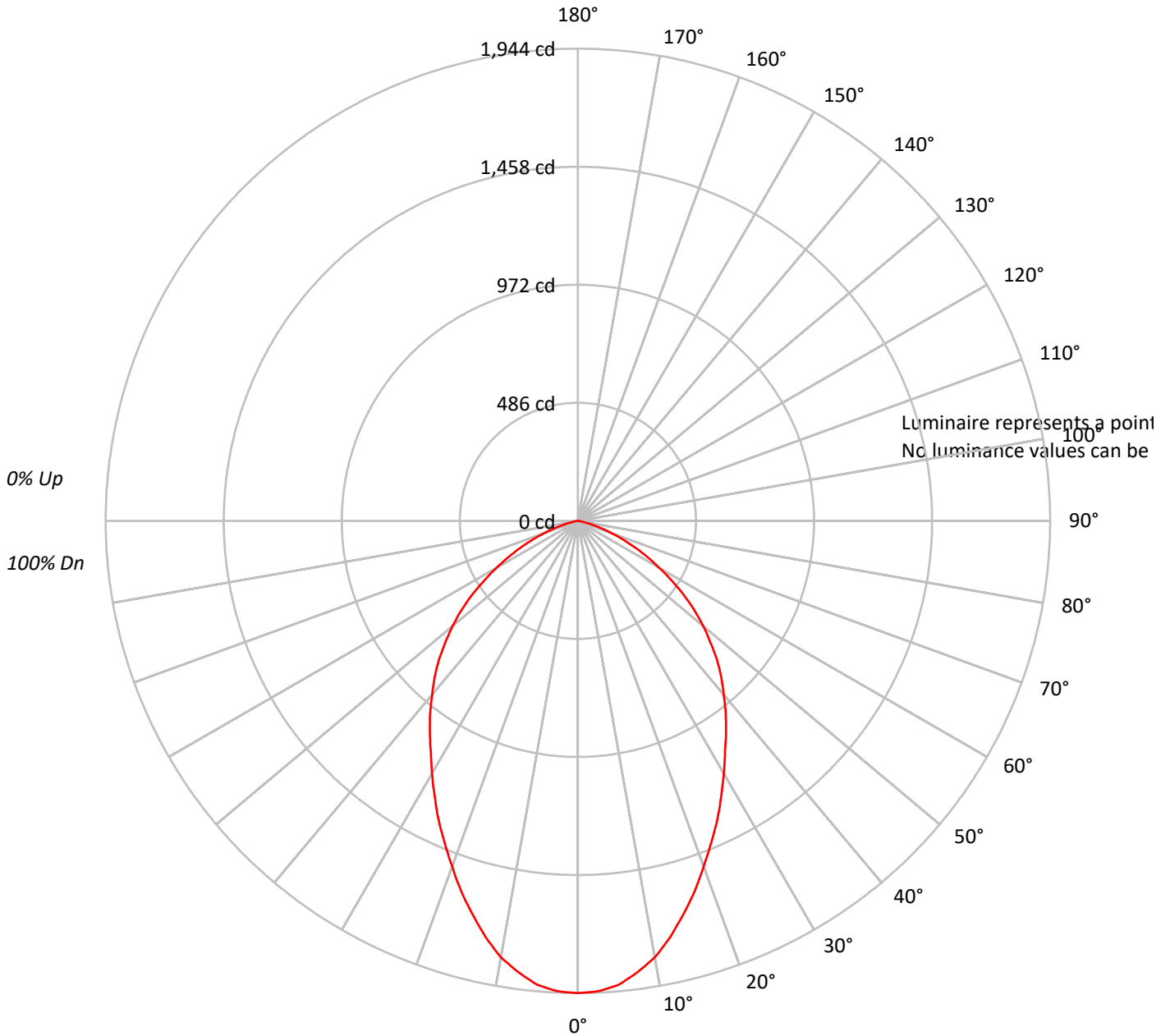
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P202535

CATALOG NUMBER: LE\_6B30D010 EC6B30509035 6LBSWMH1

### Luminous Intensity Polar Plot





TEST NUMBER: P202535

CATALOG NUMBER: LE\_6B30D010 EC6B30509035 6LBSWMH1

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

RF	20									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	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	100	100	100	100	100										
	1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88	88	88	88	88	88	88	88	88										
	2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	84	81	79	77	77	77	77	77	77	77	77	77										
	3	95	86	79	73	92	84	78	73	81	76	71	79	74	70	76	72	69	67	67	67	67	67	67	67	67	67										
	4	88	77	70	64	86	76	69	63	74	67	62	71	66	62	69	65	61	59	59	59	59	59	59	59	59	59										
	5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52	52	52	52	52	52	52	52	52										
	6	76	64	56	50	74	63	55	50	61	54	49	59	53	49	58	53	48	47	47	47	47	47	47	47	47	47										
	7	70	58	50	45	69	57	50	45	56	49	44	55	48	44	53	48	44	42	42	42	42	42	42	42	42	42										
	8	66	54	46	40	64	53	45	40	52	45	40	50	44	40	49	44	40	38	38	38	38	38	38	38	38	38										
	9	62	49	42	37	61	49	42	37	48	41	37	47	41	36	46	40	36	35	35	35	35	35	35	35	35	35										
	10	58	46	39	34	57	45	38	34	45	38	34	44	38	33	43	37	33	32	32	32	32	32	32	32	32	32										

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





TEST NUMBER: P202535

CATALOG NUMBER: LE\_6B30D010 EC6B30509035 6LBSWMH1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.9	5.4
10°-20°	470.3	14.0
20°-30°	623.6	18.5
30°-40°	665.1	19.8
40°-50°	621.8	18.5
50°-60°	474.1	14.1
60°-70°	257.9	7.7
70°-80°	69.2	2.1
80°-90°	0.8	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°	1273.8	37.9
0°-40°	1938.9	57.7
0°-60°	3034.8	90.2
0°-90°	3362.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3362.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1944	
5°	1918	180
15°	1677	470
25°	1358	624
35°	1063	665
45°	810	622
55°	534	474
65°	258	258
75°	60	69
85°	0	1
90°	0	



TEST NUMBER: P202535

CATALOG NUMBER: LE\_6B30D010 EC6B30509035 6LBSWMH1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1944.5
2.5°	1938.4
5°	1917.8
7.5°	1874.5
10°	1825.0
12.5°	1755.0
15°	1676.8
17.5°	1598.5
20°	1514.0
22.5°	1433.6
25°	1357.5
27.5°	1277.1
30°	1200.9
32.5°	1126.8
35°	1062.9
37.5°	999.0
40°	933.1
42.5°	873.4
45°	809.5
47.5°	739.5
50°	673.6
52.5°	603.5
55°	533.5
57.5°	457.2
60°	387.2
62.5°	321.4
65°	257.5
67.5°	199.8
70°	146.2
72.5°	100.9
75°	59.8
77.5°	26.8
80°	6.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)