

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: P205209

Luminaire Tested: **LE\_6B30D010 EC6B30509027 6LBWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205209  
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 EC6B30509027 6LBWL1  
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT  
WIDE DISTRIBUTION WITH SPECULAR CLEAR 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: 3065.9 lumens  
Efficiency: N/A  
Efficacy: 109.5 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

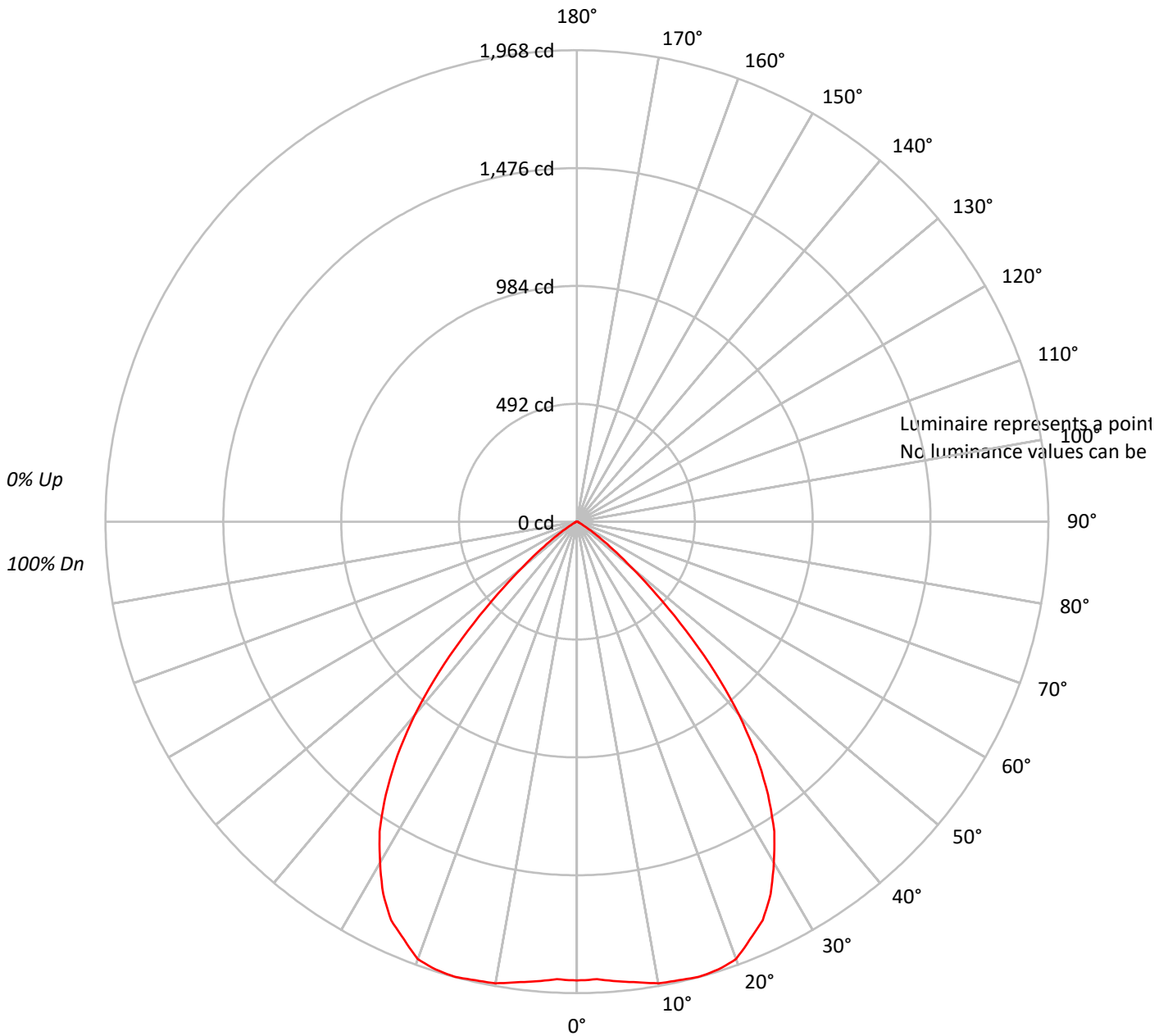
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				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	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92				92
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83				83
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76				76
4	93	85	78	73	92	84	78	73	81	76	72	79	75	71	77	74	70	69				69
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63				63
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57				57
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52				52
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48				48
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44				44
10	65	54	47	43	64	53	47	42	52	46	42	51	46	42	51	46	42	41				41

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.8	6.0
10°-20°	555.4	18.1
20°-30°	837.2	27.3
30°-40°	856.9	27.9
40°-50°	499.2	16.3
50°-60°	114.7	3.7
60°-70°	14.1	0.5
70°-80°	3.7	0.1
80°-90°	0.0	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°	1577.3	51.4
0°-40°	2434.2	79.4
0°-60°	3048.1	99.4
0°-90°	3065.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3065.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1915	
5°	1926	185
15°	1968	555
25°	1835	837
35°	1390	857
45°	643	499
55°	111	115
65°	10	14
75°	4	4
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1915.4
2.5°	1911.9
5°	1925.8
7.5°	1939.6
10°	1957.0
12.5°	1960.5
15°	1967.5
17.5°	1960.5
20°	1943.1
22.5°	1887.5
25°	1835.4
27.5°	1752.0
30°	1644.2
32.5°	1533.0
35°	1390.5
37.5°	1230.5
40°	1053.2
42.5°	855.1
45°	643.1
47.5°	448.4
50°	295.5
52.5°	187.8
55°	111.2
57.5°	59.1
60°	31.2
62.5°	17.4
65°	10.4
67.5°	10.4
70°	7.0
72.5°	3.5
75°	3.5
77.5°	3.5
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)