

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: P203868

Luminaire Tested: **LE\_6B30D010 EC6B30508035 6LBNGPH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203868  
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 EC6B30508035 6LBNGPH1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
NARROW DISTRIBUTION WITH GRAPHITE 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: 1903.9 lumens  
Efficiency: N/A  
Efficacy: 68.0 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.88  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

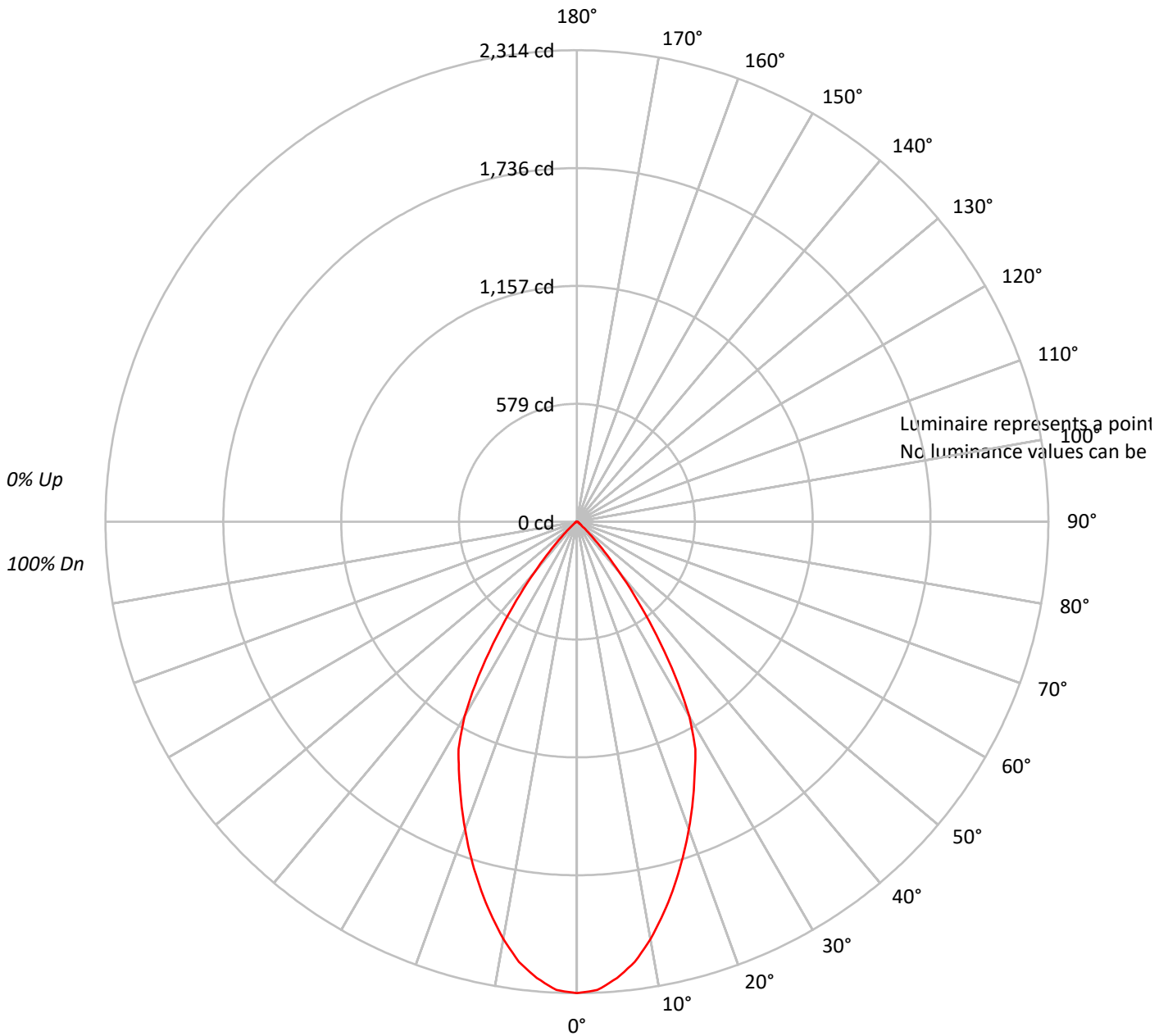
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									20									
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	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	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94																												
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	91	89	87																												
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81																												
4	97	90	84	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76																												
5	93	84	78	74	91	83	78	74	82	77	73	80	76	73	78	75	72	70																												
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66																												
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62																												
8	79	70	64	60	78	69	64	60	68	63	60	67	63	59	66	62	59	58																												
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54																												
10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	55	52	51																												

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	209.5	11.0
10°-20°	516.7	27.1
20°-30°	626.0	32.9
30°-40°	426.6	22.4
40°-50°	101.6	5.3
50°-60°	15.9	0.8
60°-70°	5.9	0.3
70°-80°	1.7	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°	1352.2	71.0
0°-40°	1778.8	93.4
0°-60°	1896.3	99.6
0°-90°	1903.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1903.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2314	
5°	2249	209
15°	1850	517
25°	1368	626
35°	682	427
45°	108	102
55°	17	16
65°	4	6
75°	0	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2314.1
2.5°	2301.1
5°	2249.0
7.5°	2179.6
10°	2079.8
12.5°	1966.9
15°	1849.6
17.5°	1728.0
20°	1606.5
22.5°	1484.9
25°	1367.6
27.5°	1259.1
30°	1102.8
32.5°	898.8
35°	681.6
37.5°	486.2
40°	321.2
42.5°	199.8
45°	108.5
47.5°	56.5
50°	30.4
52.5°	21.8
55°	17.4
57.5°	13.0
60°	8.6
62.5°	8.6
65°	4.4
67.5°	4.4
70°	4.4
72.5°	4.4
75°	0.0
77.5°	0.0
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)