

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: P203256

Luminaire Tested: **LE\_6B30D010 EC6B30509035 6LBMH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203256  
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 6LBMH1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH SEMI-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: 2338.9 lumens  
Efficiency: N/A  
Efficacy: 83.5 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

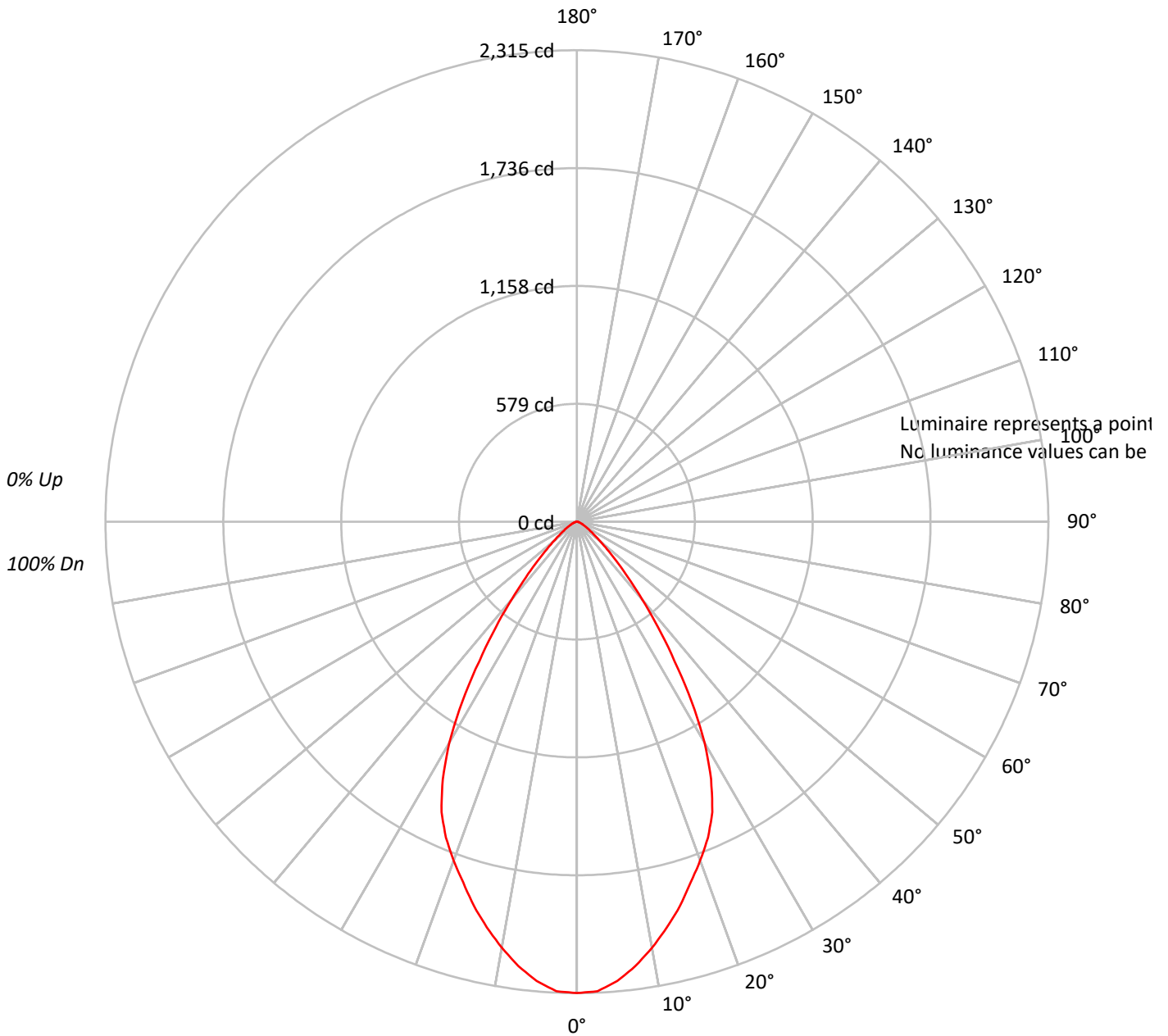
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92			
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72			
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66			
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53			
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49			
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46			

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	211.6	9.0
10°-20°	547.5	23.4
20°-30°	709.4	30.3
30°-40°	526.7	22.5
40°-50°	222.4	9.5
50°-60°	79.0	3.4
60°-70°	30.5	1.3
70°-80°	10.6	0.5
80°-90°	1.4	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°	1468.5	62.8
0°-40°	1995.2	85.3
0°-60°	2296.5	98.2
0°-90°	2338.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2338.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2315	
5°	2264	212
15°	1954	547
25°	1573	709
35°	835	527
45°	274	222
55°	84	79
65°	30	30
75°	10	11
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2314.6
2.5°	2307.9
5°	2264.5
7.5°	2201.0
10°	2124.2
12.5°	2040.8
15°	1953.9
17.5°	1857.0
20°	1770.2
22.5°	1680.0
25°	1573.1
27.5°	1426.1
30°	1252.5
32.5°	1048.8
35°	835.0
37.5°	654.6
40°	497.6
42.5°	370.8
45°	273.9
47.5°	200.4
50°	147.0
52.5°	110.2
55°	83.5
57.5°	63.5
60°	50.1
62.5°	36.8
65°	30.0
67.5°	23.4
70°	16.8
72.5°	13.4
75°	10.0
77.5°	6.6
80°	3.4
82.5°	3.4
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)