

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: P205387

Luminaire Tested: **LE\_6B15D010 EC6B10209030 6LBSLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205387  
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\_6B15D010 EC6B10209030 6LBSLI1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH SPECULAR CLEAR TRIM  
WATTAGE D010TR-14.39 W DE010-14.29 W D5LT-14.34 W DMX-14.46 W DL2-15.8 W  
DL3-15.28 W DLE-15.432 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1687.8 lumens  
Efficiency: N/A  
Efficacy: 118.0 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

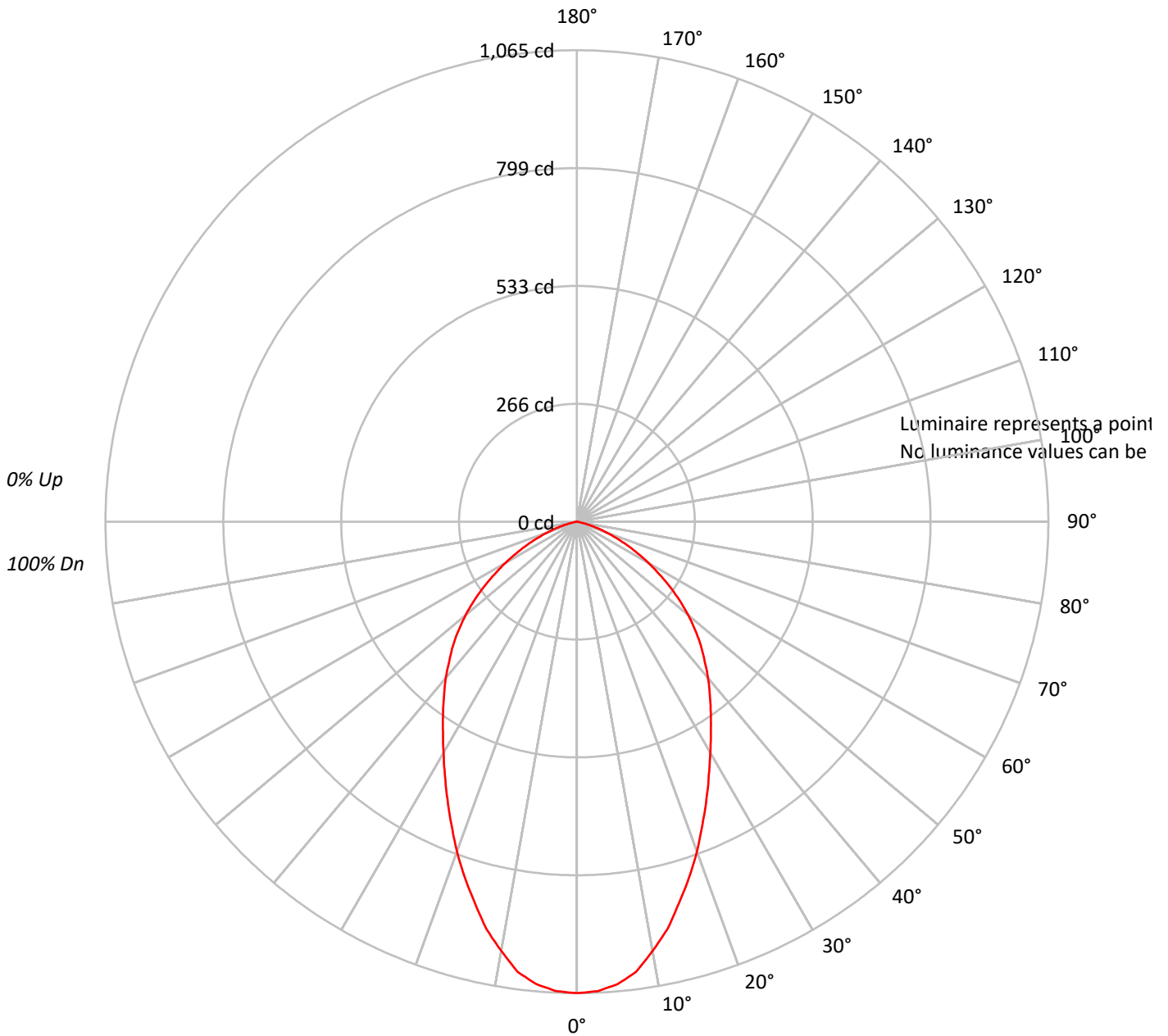
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89																																			
	2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77																																			
	3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68																																			
	4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60																																			
	5	82	71	63	57	80	70	62	57	67	61	56	66	60	55	64	59	55	53																																			
	6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47																																			
	7	71	59	51	46	70	58	51	45	57	50	45	55	49	45	54	49	45	43																																			
	8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39																																			
	9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36																																			
	10	59	47	40	35	58	46	39	35	45	39	35	45	39	34	44	38	34	33																																			

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.2	5.8
10°-20°	249.9	14.8
20°-30°	318.6	18.9
30°-40°	330.4	19.6
40°-50°	304.5	18.0
50°-60°	229.0	13.6
60°-70°	123.6	7.3
70°-80°	33.2	2.0
80°-90°	0.5	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°	666.7	39.5
0°-40°	997.1	59.1
0°-60°	1530.5	90.7
0°-90°	1687.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1687.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1065	
5°	1049	98
15°	891	250
25°	692	319
35°	527	330
45°	396	304
55°	256	229
65°	124	124
75°	29	33
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1065.1
2.5°	1061.5
5°	1049.0
7.5°	1025.8
10°	984.5
12.5°	943.2
15°	891.2
17.5°	842.8
20°	792.6
22.5°	740.6
25°	692.1
27.5°	645.5
30°	602.5
32.5°	563.0
35°	527.2
37.5°	493.1
40°	460.9
42.5°	426.8
45°	396.2
47.5°	362.2
50°	328.1
52.5°	292.2
55°	256.4
57.5°	220.5
60°	186.5
62.5°	154.2
65°	123.8
67.5°	95.0
70°	69.9
72.5°	48.4
75°	28.8
77.5°	12.5
80°	3.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)