

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: P204776

Luminaire Tested: **LE\_6B15D010 EC6B10209030 6LBCSMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204776  
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 6LBCSMW1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH CAST MATTE WHITE 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: 1719.6 lumens  
Efficiency: N/A  
Efficacy: 120.3 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

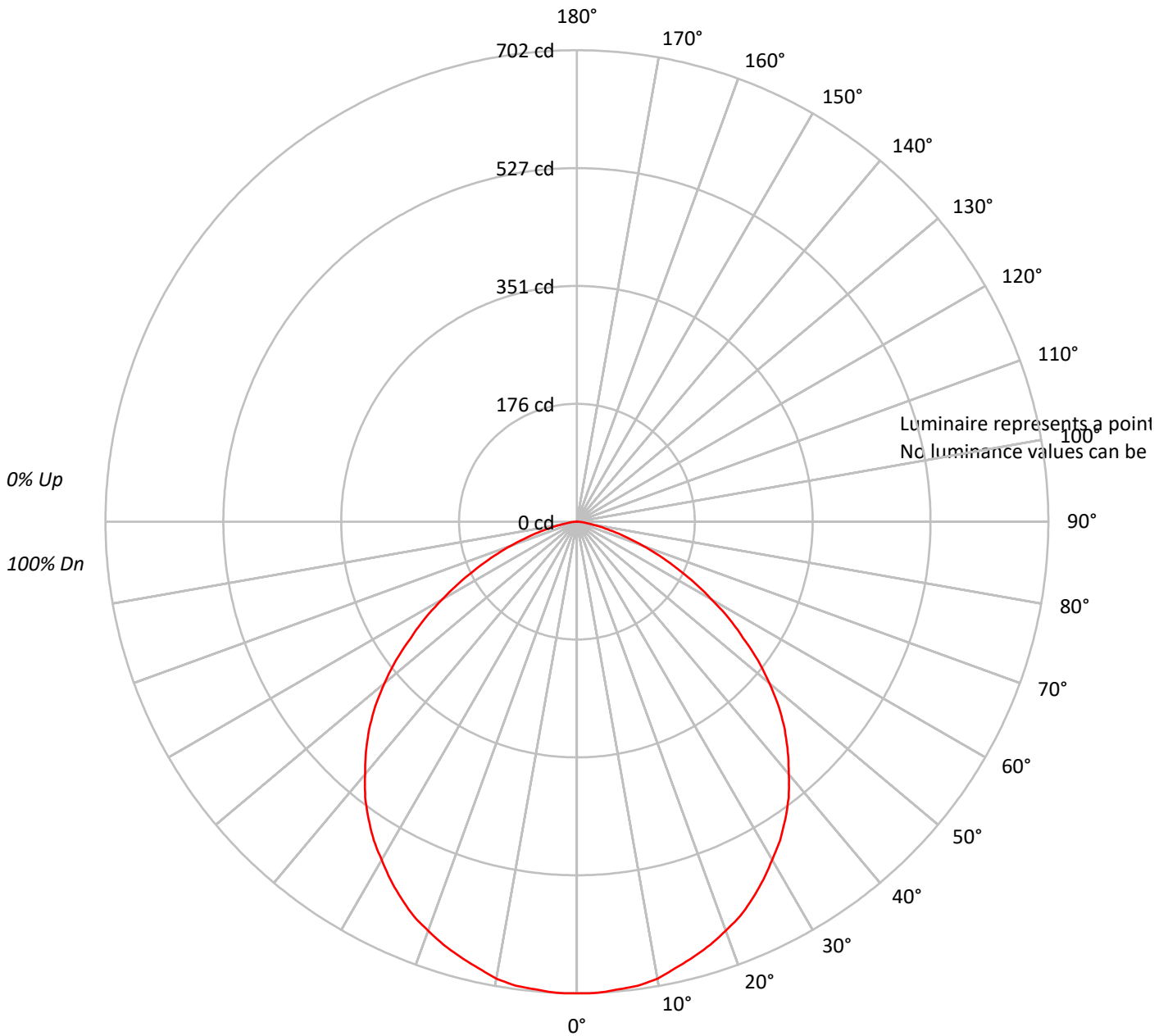
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87																												
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74																												
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63																												
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55																												
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48																												
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42																												
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37																												
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33																												
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30																												
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27																												

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.5	3.9
10°-20°	189.4	11.0
20°-30°	285.0	16.6
30°-40°	337.8	19.6
40°-50°	336.1	19.5
50°-60°	271.0	15.8
60°-70°	163.9	9.5
70°-80°	60.8	3.5
80°-90°	9.0	0.5
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°	541.0	31.5
0°-40°	878.7	51.1
0°-60°	1485.8	86.4
0°-90°	1719.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1719.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	702	
5°	699	67
15°	671	189
25°	619	285
35°	541	338
45°	438	336
55°	302	271
65°	165	164
75°	55	61
85°	7	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	702.4
2.5°	702.4
5°	699.2
7.5°	697.1
10°	690.9
12.5°	680.5
15°	671.1
17.5°	660.6
20°	648.1
22.5°	635.6
25°	619.0
27.5°	601.2
30°	581.5
32.5°	562.8
35°	540.9
37.5°	517.9
40°	490.8
42.5°	464.8
45°	437.6
47.5°	407.5
50°	374.1
52.5°	339.8
55°	302.2
57.5°	268.9
60°	231.4
62.5°	198.0
65°	164.6
67.5°	133.4
70°	104.2
72.5°	78.1
75°	55.2
77.5°	35.4
80°	20.9
82.5°	12.5
85°	7.2
87.5°	3.1
90°	0.0



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— 0°-180°







(END OF REPORT)