

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: P202542

Luminaire Tested: **LE\_6B40D010 EC6B30508035 6LBSWMH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P202542  
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\_6B40D010 EC6B30508035 6LBSWMH1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH WARM HAZE TRIM  
WATTAGE D010TR-43.02 W DE010-42.54 W D5LT-42.539 W DMX-41.87 W DL2-41.57  
W DL3-44.71 W DLE-39.33 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5623.9 lumens  
Efficiency: N/A  
Efficacy: 134.5 lumens/watt  
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1.1  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

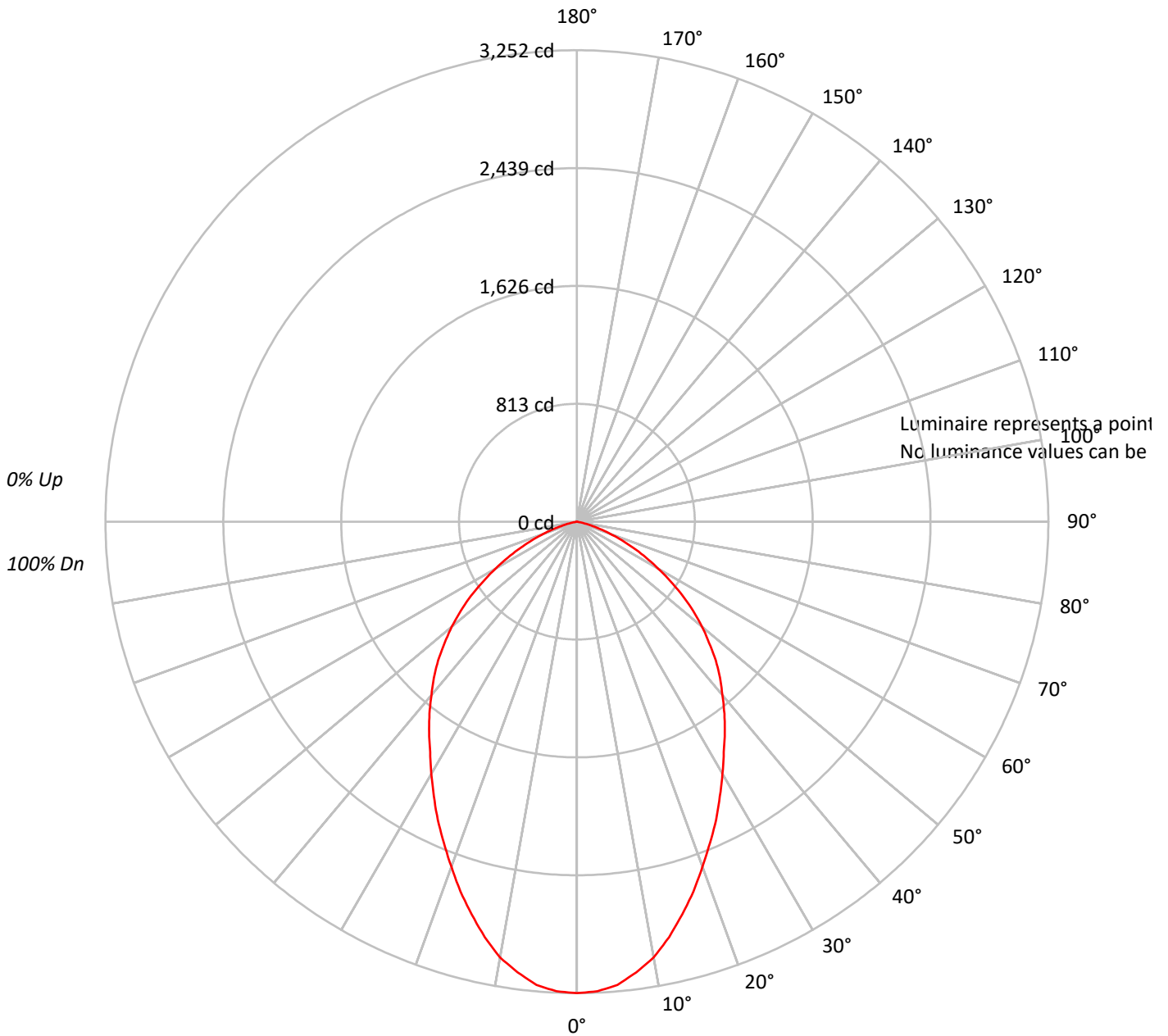
Input Watts (W): 41.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88				88
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	84	81	79	77				77
3	95	86	79	73	92	84	78	73	81	76	71	79	74	70	76	72	69	67				67
4	88	77	70	64	86	76	69	63	74	67	62	71	66	62	69	65	61	59				59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52				52
6	76	64	56	50	74	63	55	50	61	54	49	59	53	49	58	53	48	47				47
7	70	58	50	45	69	57	50	45	56	49	44	55	48	44	53	48	44	42				42
8	66	54	46	40	64	53	45	40	52	45	40	50	44	40	49	44	40	38				38
9	62	49	42	37	61	49	42	37	48	41	37	47	41	36	46	40	36	35				35
10	58	46	39	34	57	45	38	34	45	38	34	44	38	33	43	37	33	32				32

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	300.9	5.4
10°-20°	786.5	14.0
20°-30°	1042.9	18.5
30°-40°	1112.4	19.8
40°-50°	1039.9	18.5
50°-60°	792.9	14.1
60°-70°	431.3	7.7
70°-80°	115.7	2.1
80°-90°	1.4	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°	2130.3	37.9
0°-40°	3242.8	57.7
0°-60°	5075.5	90.2
0°-90°	5623.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5623.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3252	
5°	3207	301
15°	2804	787
25°	2270	1043
35°	1778	1112
45°	1354	1040
55°	892	793
65°	431	431
75°	100	116
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3252.1
2.5°	3241.8
5°	3207.2
7.5°	3135.0
10°	3052.2
12.5°	2935.1
15°	2804.2
17.5°	2673.4
20°	2532.1
22.5°	2397.8
25°	2270.2
27.5°	2135.9
30°	2008.5
32.5°	1884.4
35°	1777.6
37.5°	1670.9
40°	1560.6
42.5°	1460.6
45°	1353.9
47.5°	1236.8
50°	1126.5
52.5°	1009.4
55°	892.2
57.5°	764.8
60°	647.6
62.5°	537.4
65°	430.6
67.5°	334.1
70°	244.6
72.5°	168.8
75°	99.9
77.5°	44.8
80°	10.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)