

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: P204603

Luminaire Tested: **LE\_6B40D010 EC6B30508035 6LBSMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204603  
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 6LBSMW1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH MATTE WHITE 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: 5812.1 lumens  
Efficiency: N/A  
Efficacy: 139.0 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

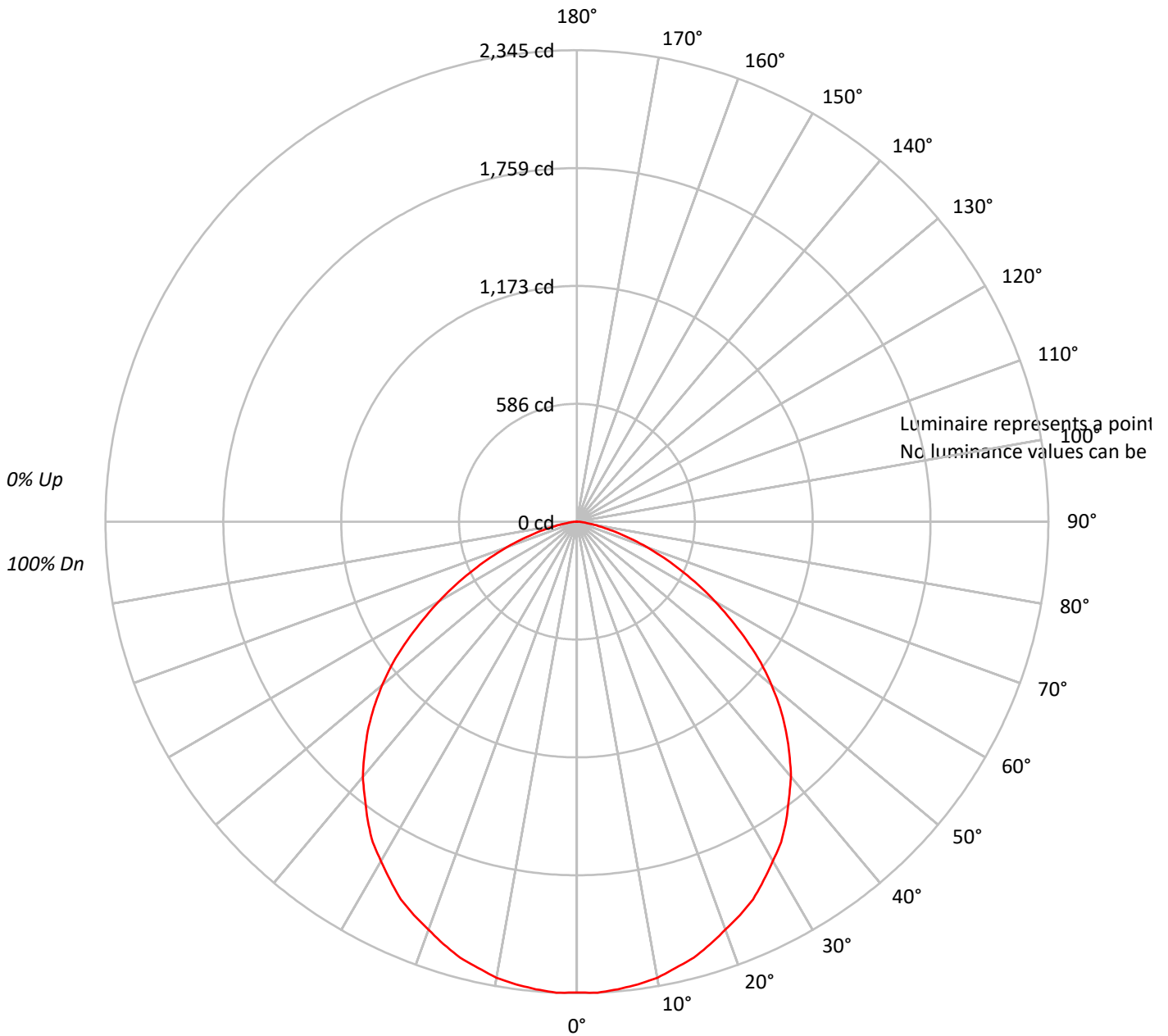
Input Watts (W): 41.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20				
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	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86			
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74			
3	93	83	75	69	90	81	74	69	78	72	67	76	70	66	73	69	65	63			
4	85	74	66	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54			
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	49	47			
6	73	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42			
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	43	39	37			
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33			
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30			
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27			

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	221.9	3.8
10°-20°	632.5	10.9
20°-30°	952.5	16.4
30°-40°	1133.4	19.5
40°-50°	1131.4	19.5
50°-60°	920.0	15.8
60°-70°	566.0	9.7
70°-80°	219.3	3.8
80°-90°	35.1	0.6
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°	1806.9	31.1
0°-40°	2940.3	50.6
0°-60°	4991.7	85.9
0°-90°	5812.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5812.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2342	
5°	2335	222
15°	2245	632
25°	2073	953
35°	1815	1133
45°	1470	1131
55°	1030	920
65°	568	566
75°	200	219
85°	28	35
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2341.8
2.5°	2345.1
5°	2334.9
7.5°	2321.1
10°	2303.9
12.5°	2272.9
15°	2245.4
17.5°	2204.0
20°	2159.2
22.5°	2117.9
25°	2073.1
27.5°	2011.1
30°	1949.1
32.5°	1890.6
35°	1814.9
37.5°	1732.2
40°	1656.4
42.5°	1563.5
45°	1470.5
47.5°	1370.6
50°	1263.9
52.5°	1153.6
55°	1029.6
57.5°	909.1
60°	792.0
62.5°	678.4
65°	568.2
67.5°	464.9
70°	368.5
72.5°	279.0
75°	199.8
77.5°	130.9
80°	79.2
82.5°	48.2
85°	27.5
87.5°	13.8
90°	0.0



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— 0°-180°







(END OF REPORT)