

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: P203160

Luminaire Tested: **LE\_6B40D010 EC6B30508035 6LBWMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203160  
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 6LBWMW1  
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT  
WIDE 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**

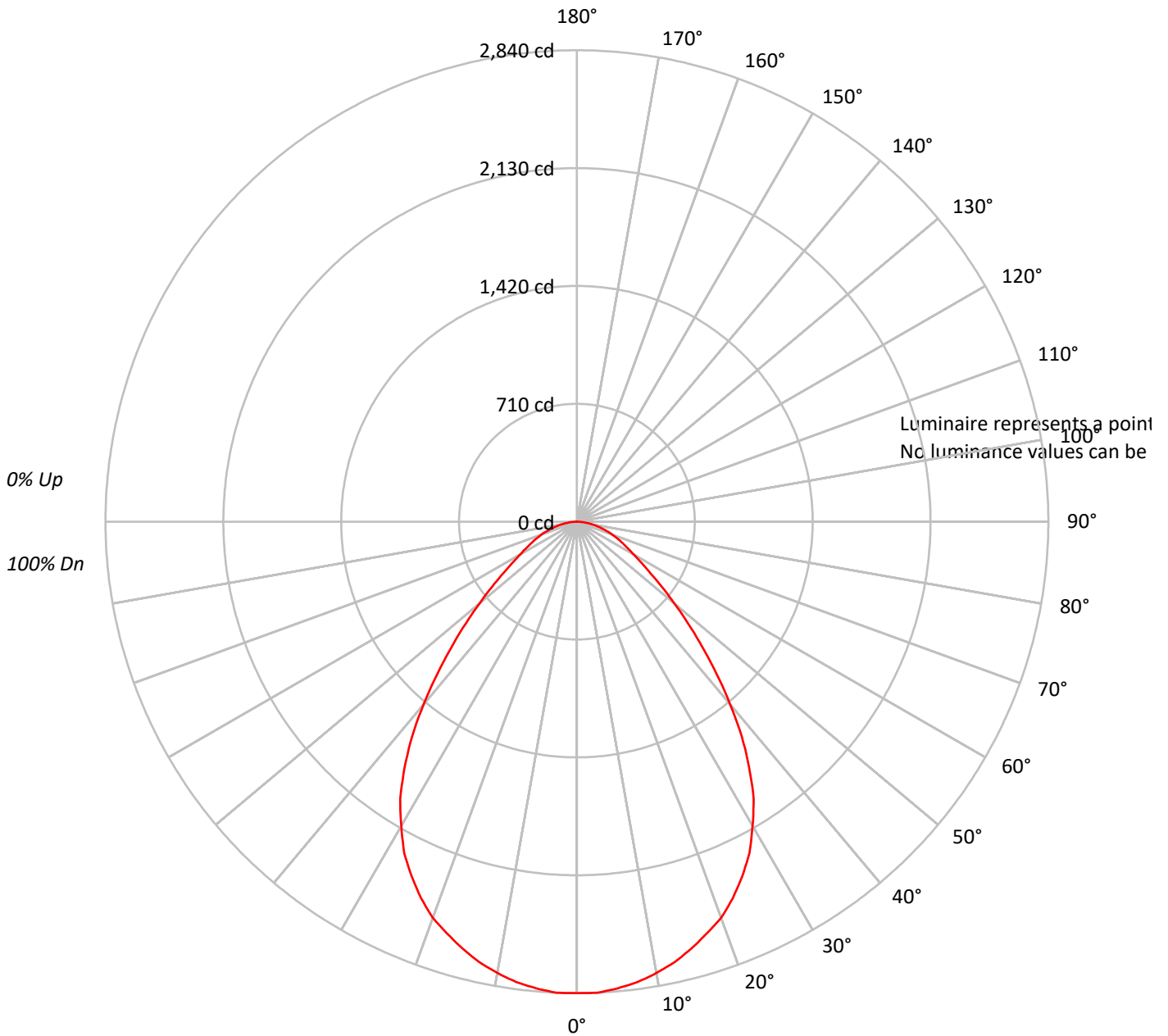
Lumens per Lamp: N/A  
Luminaire Lumens: 5058.2 lumens  
Efficiency: N/A  
Efficacy: 121.0 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

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	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77			
3	95	86	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68			
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60			
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54			
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49			
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44			
8	67	55	48	42	66	55	47	42	53	47	42	52	46	42	51	46	42	40			
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37			
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34			

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	267.5	5.3
10°-20°	750.2	14.8
20°-30°	1080.9	21.4
30°-40°	1122.2	22.2
40°-50°	829.7	16.4
50°-60°	495.6	9.8
60°-70°	301.1	6.0
70°-80°	165.0	3.3
80°-90°	45.9	0.9
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°	2098.6	41.5
0°-40°	3220.8	63.7
0°-60°	4546.1	89.9
0°-90°	5058.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5058.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2840	
5°	2822	268
15°	2662	750
25°	2356	1081
35°	1810	1122
45°	1068	830
55°	540	496
65°	301	301
75°	153	165
85°	37	46
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2840.5
2.5°	2840.5
5°	2822.1
7.5°	2797.5
10°	2760.8
12.5°	2717.8
15°	2662.5
17.5°	2601.2
20°	2539.9
22.5°	2454.0
25°	2355.9
27.5°	2251.5
30°	2116.5
32.5°	1981.6
35°	1809.8
37.5°	1631.9
40°	1435.6
42.5°	1245.4
45°	1067.5
47.5°	908.0
50°	766.9
52.5°	644.1
55°	539.9
57.5°	460.1
60°	392.6
62.5°	343.5
65°	300.6
67.5°	263.8
70°	227.0
72.5°	190.1
75°	153.4
77.5°	122.8
80°	92.0
82.5°	67.5
85°	36.8
87.5°	18.4
90°	0.0



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— 0°-180°







(END OF REPORT)