

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: P204095

Luminaire Tested: **LE\_6B40D010 EC6B30509050 6LBNMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204095  
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 EC6B30509050 6LBNMW1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
NARROW 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: 3284.9 lumens  
Efficiency: N/A  
Efficacy: 78.6 lumens/watt  
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

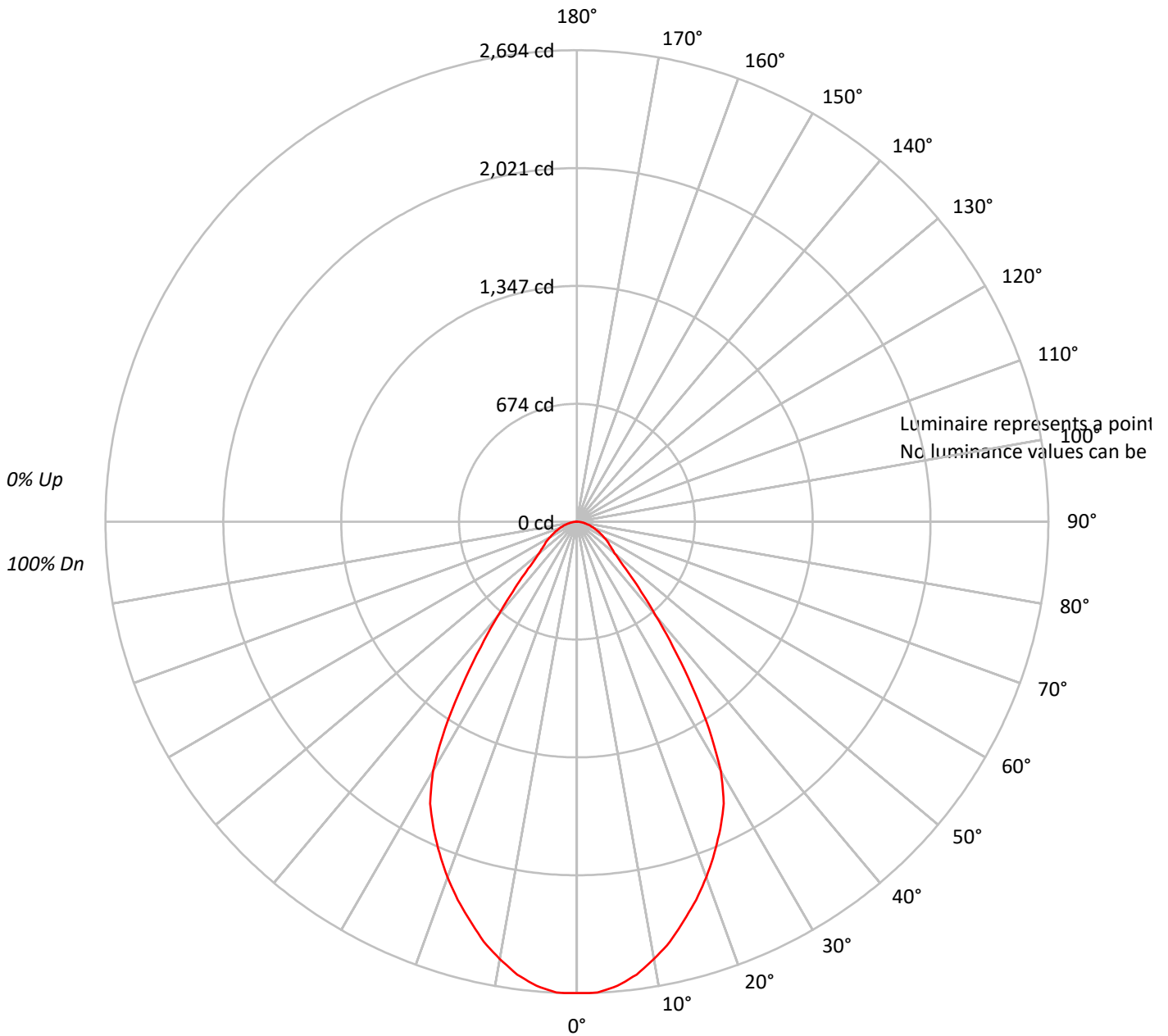
Input Watts (W): 41.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P204095

CATALOG NUMBER: LE\_6B40D010 EC6B30509050 6LBNMW1

### Luminous Intensity Polar Plot





TEST NUMBER: P204095

CATALOG NUMBER: LE\_6B40D010 EC6B30509050 6LBNMW1

**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	112	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90			
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81			
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73			
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66			
5	87	77	70	64	85	76	69	64	74	68	64	72	67	63	70	66	62	61			
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56			
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51			
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47			
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44			
10	65	54	47	43	64	54	47	43	53	47	43	52	46	43	51	46	43	41			

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





TEST NUMBER: P204095

CATALOG NUMBER: LE\_6B40D010 EC6B30509050 6LBNMW1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	250.2	7.6
10°-20°	663.1	20.2
20°-30°	885.3	26.9
30°-40°	714.2	21.7
40°-50°	342.3	10.4
50°-60°	202.9	6.2
60°-70°	134.9	4.1
70°-80°	72.3	2.2
80°-90°	19.9	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°	1798.5	54.8
0°-40°	2512.7	76.5
0°-60°	3057.9	93.1
0°-90°	3284.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3284.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2694	
5°	2663	250
15°	2360	663
25°	1937	885
35°	1143	714
45°	423	342
55°	224	203
65°	136	135
75°	68	72
85°	16	20
90°	0	



TEST NUMBER: P204095

CATALOG NUMBER: LE\_6B40D010 EC6B30509050 6LBNMW1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2694.0
2.5°	2694.0
5°	2662.6
7.5°	2610.5
10°	2537.4
12.5°	2459.0
15°	2359.9
17.5°	2265.9
20°	2161.5
22.5°	2051.8
25°	1937.0
27.5°	1816.9
30°	1644.6
32.5°	1404.4
35°	1143.4
37.5°	903.2
40°	699.6
42.5°	543.0
45°	422.9
47.5°	334.1
50°	281.9
52.5°	250.6
55°	224.5
57.5°	203.6
60°	177.5
62.5°	156.6
65°	135.8
67.5°	114.9
70°	99.2
72.5°	83.5
75°	67.9
77.5°	52.2
80°	41.8
82.5°	31.4
85°	15.6
87.5°	5.2
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)