

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: P203163

Luminaire Tested: **LE_6B40D010 EC6B30509024 6LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203163
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 EC6B30509024 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: 3566.7 lumens
Efficiency: N/A
Efficacy: 85.3 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

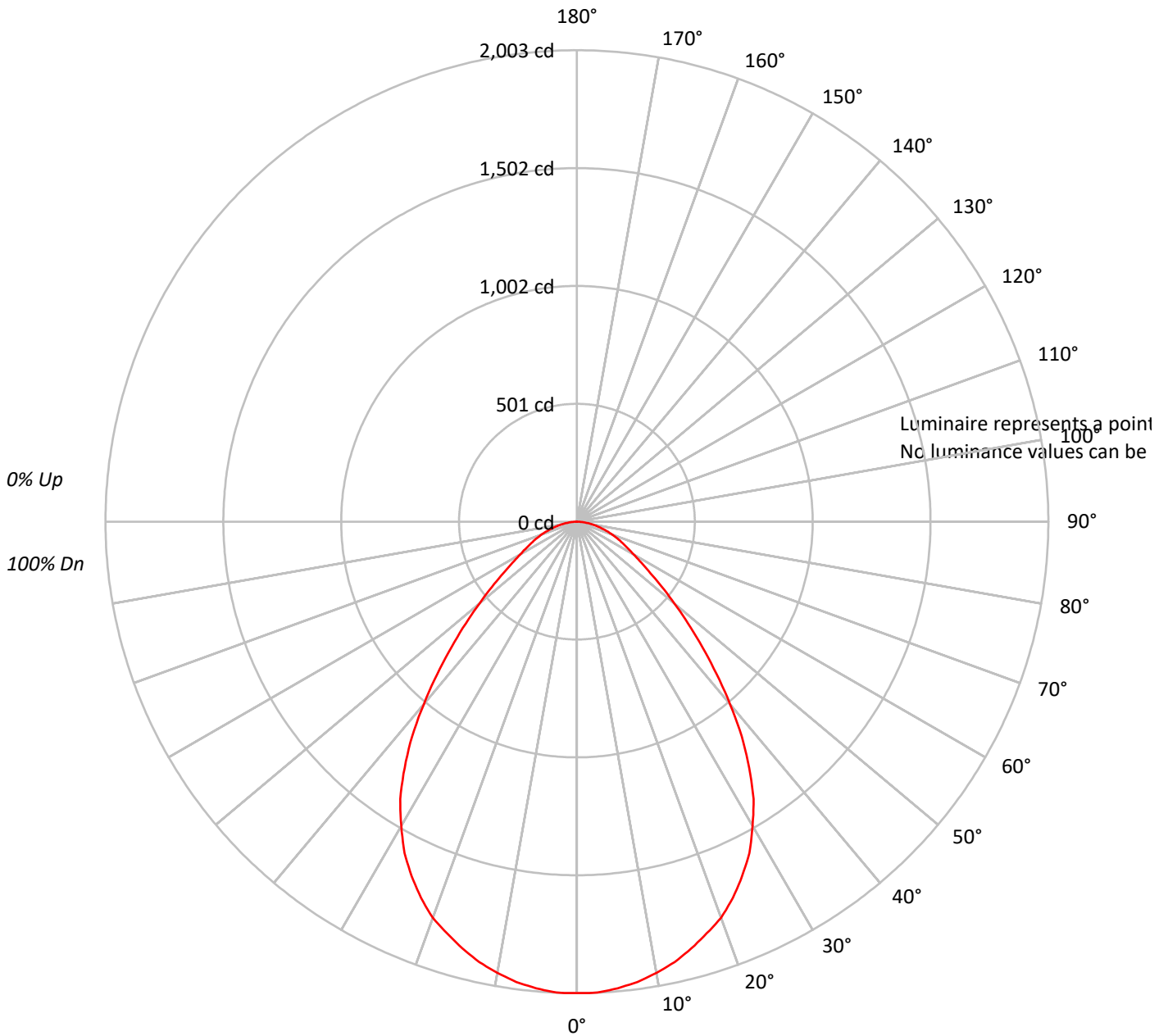
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203163

CATALOG NUMBER: LE_6B40D010 EC6B30509024 6LBWMW1

Luminous Intensity Polar Plot





TEST NUMBER: P203163

CATALOG NUMBER: LE_6B40D010 EC6B30509024 6LBWMW1

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):





TEST NUMBER: P203163

CATALOG NUMBER: LE_6B40D010 EC6B30509024 6LBWMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.6	5.3
10°-20°	529.0	14.8
20°-30°	762.2	21.4
30°-40°	791.3	22.2
40°-50°	585.0	16.4
50°-60°	349.5	9.8
60°-70°	212.4	6.0
70°-80°	116.3	3.3
80°-90°	32.4	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°	1479.8	41.5
0°-40°	2271.1	63.7
0°-60°	3205.7	89.9
0°-90°	3566.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3566.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2003	
5°	1990	189
15°	1878	529
25°	1661	762
35°	1276	791
45°	753	585
55°	381	350
65°	212	212
75°	108	116
85°	26	32
90°	0	



TEST NUMBER: P203163

CATALOG NUMBER: LE_6B40D010 EC6B30509024 6LBWMW1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2003.0
2.5°	2003.0
5°	1990.0
7.5°	1972.6
10°	1946.8
12.5°	1916.4
15°	1877.5
17.5°	1834.2
20°	1791.0
22.5°	1730.4
25°	1661.2
27.5°	1587.6
30°	1492.5
32.5°	1397.2
35°	1276.1
37.5°	1150.8
40°	1012.2
42.5°	878.1
45°	752.8
47.5°	640.2
50°	540.8
52.5°	454.2
55°	380.8
57.5°	324.5
60°	276.9
62.5°	242.2
65°	212.0
67.5°	186.0
70°	160.1
72.5°	134.1
75°	108.1
77.5°	86.5
80°	64.9
82.5°	47.6
85°	26.0
87.5°	13.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)