

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: P205429

Luminaire Tested: **LE_6B40D010 EC6B30509050 6LBSLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205429
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 6LBSLI1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SPECULAR CLEAR 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: 4906.4 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

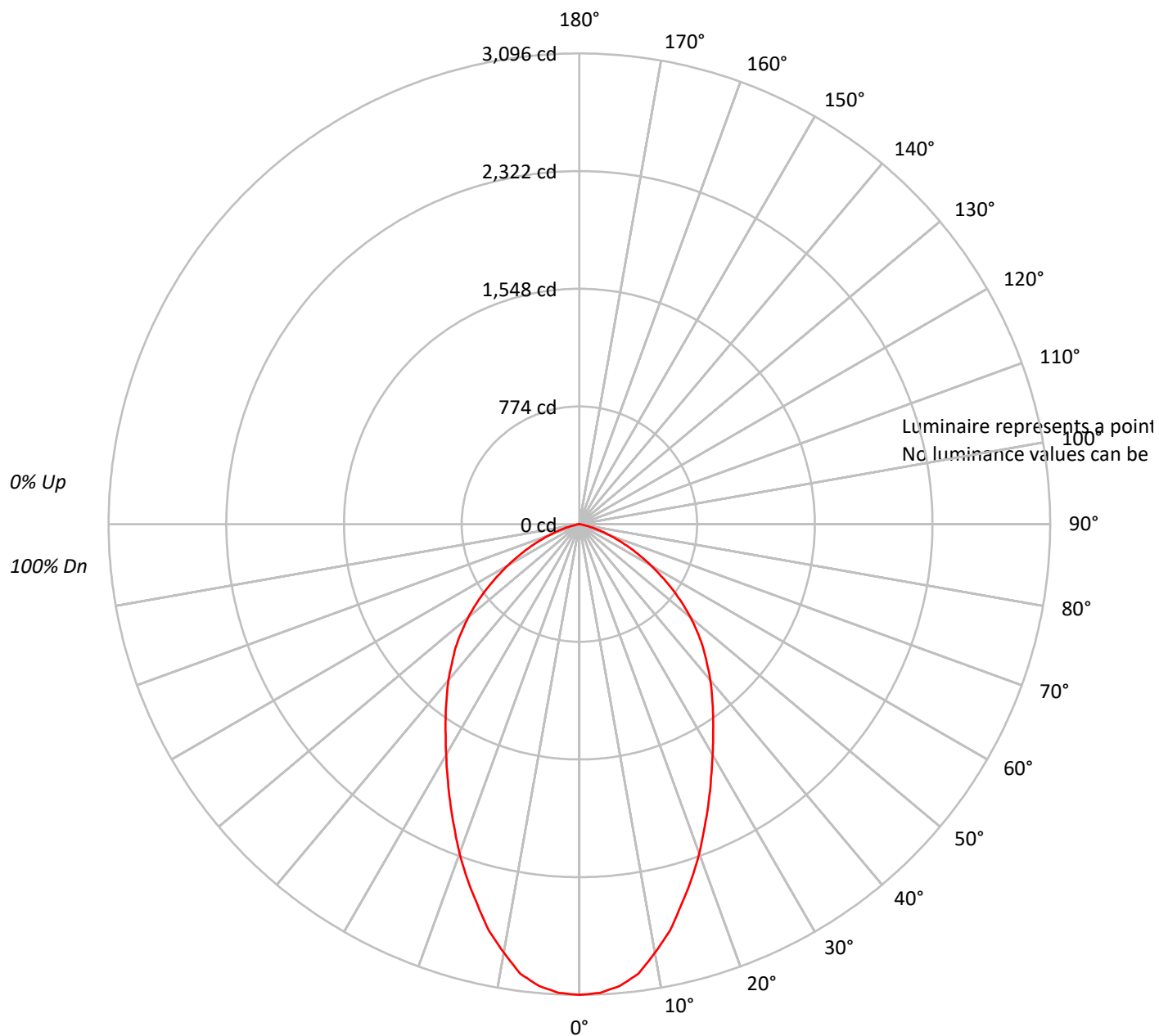
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	107	104	101	109	105	102	99		101	99	96		97	95	93		94	92	91
2	103	96	91	86	100	94	89	85		91	87	83		88	84	81		85	82	79
3	95	86	79	74	93	85	78	73		82	76	72		79	75	71		77	73	70
4	88	78	70	64	86	77	69	64		74	68	63		72	67	62		70	65	62
5	82	71	63	57	80	70	62	57		67	61	56		66	60	55		64	59	55
6	76	64	56	51	74	63	56	51		62	55	50		60	54	50		59	53	49
7	71	59	51	46	70	58	51	45		57	50	45		55	49	45		54	49	45
8	67	54	47	41	65	54	46	41		52	46	41		51	45	41		50	45	41
9	63	50	43	38	61	50	43	38		49	42	38		48	42	37		47	41	37
10	59	47	40	35	58	46	39	35		45	39	35		45	39	34		44	38	34

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.3	5.8
10°-20°	726.3	14.8
20°-30°	926.2	18.9
30°-40°	960.6	19.6
40°-50°	885.1	18.0
50°-60°	665.8	13.6
60°-70°	359.3	7.3
70°-80°	96.4	2.0
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°	1937.9	39.5
0°-40°	2898.5	59.1
0°-60°	4449.3	90.7
0°-90°	4906.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4906.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3096	
5°	3049	285
15°	2591	726
25°	2012	926
35°	1532	961
45°	1152	885
55°	745	666
65°	360	359
75°	83	96
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3096.2
2.5°	3085.9
5°	3049.4
7.5°	2981.6
10°	2861.6
12.5°	2741.8
15°	2590.6
17.5°	2449.9
20°	2304.0
22.5°	2152.8
25°	2012.0
27.5°	1876.5
30°	1751.4
32.5°	1636.8
35°	1532.5
37.5°	1433.5
40°	1339.6
42.5°	1240.6
45°	1152.0
47.5°	1052.9
50°	953.9
52.5°	849.6
55°	745.4
57.5°	641.1
60°	542.1
62.5°	448.2
65°	359.6
67.5°	276.2
70°	203.2
72.5°	140.8
75°	83.4
77.5°	36.5
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)