

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: P205410

Luminaire Tested: **LE_6B30D010 EC6B30508050 6LBSLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205410
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_6B30D010 EC6B30508050 6LBSLI1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SPECULAR CLEAR TRIM
WATTAGE D010TR-27.4 W DE010-27.95 W D5LT-27.65 W DMX-27.73 W DL2-29.56 W
DL3-29.67 W DLE-29.73 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4122.7 lumens
Efficiency: N/A
Efficacy: 147.2 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

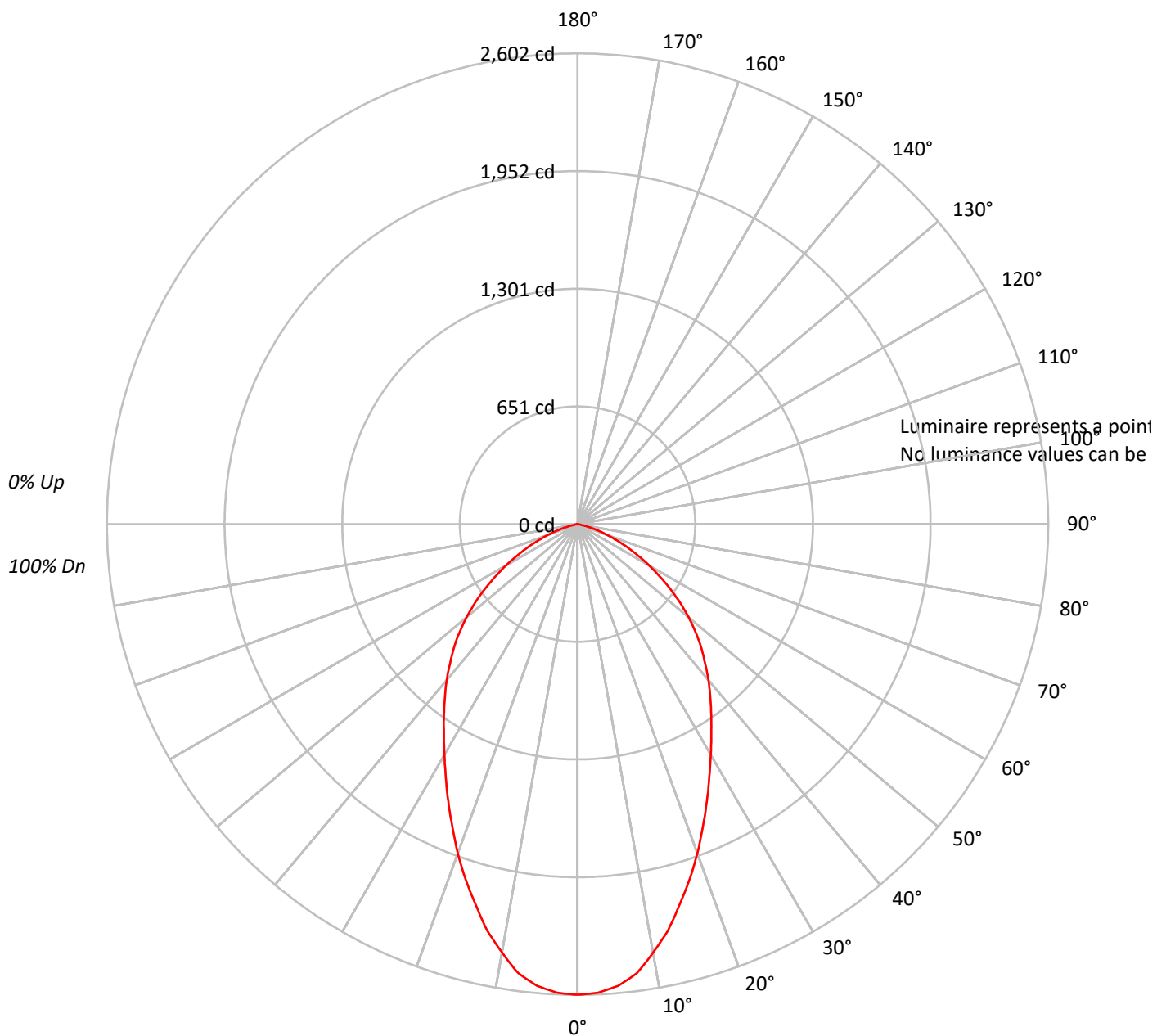
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					10
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°	239.7	5.8
10°-20°	610.3	14.8
20°-30°	778.3	18.9
30°-40°	807.1	19.6
40°-50°	743.7	18.0
50°-60°	559.5	13.6
60°-70°	302.0	7.3
70°-80°	81.0	2.0
80°-90°	1.2	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°	1628.3	39.5
0°-40°	2435.4	59.1
0°-60°	3738.6	90.7
0°-90°	4122.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4122.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2602	
5°	2562	240
15°	2177	610
25°	1691	778
35°	1288	807
45°	968	744
55°	626	559
65°	302	302
75°	70	81
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2601.6
2.5°	2592.9
5°	2562.2
7.5°	2505.2
10°	2404.5
12.5°	2303.8
15°	2176.8
17.5°	2058.5
20°	1935.9
22.5°	1808.9
25°	1690.6
27.5°	1576.8
30°	1471.6
32.5°	1375.2
35°	1287.6
37.5°	1204.5
40°	1125.6
42.5°	1042.4
45°	968.0
47.5°	884.8
50°	801.5
52.5°	713.9
55°	626.4
57.5°	538.8
60°	455.5
62.5°	376.6
65°	302.2
67.5°	232.1
70°	170.9
72.5°	118.2
75°	70.1
77.5°	30.6
80°	8.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)