

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: P205382

Luminaire Tested: **LE_6B15D010 EC6B10208035 6LBSLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205382
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_6B15D010 EC6B10208035 6LBSLI1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SPECULAR CLEAR TRIM
WATTAGE D010TR-14.39 W DE010-14.29 W D5LT-14.34 W DMX-14.46 W DL2-15.8 W
DL3-15.28 W DLE-15.432 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2025.2 lumens
Efficiency: N/A
Efficacy: 141.6 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

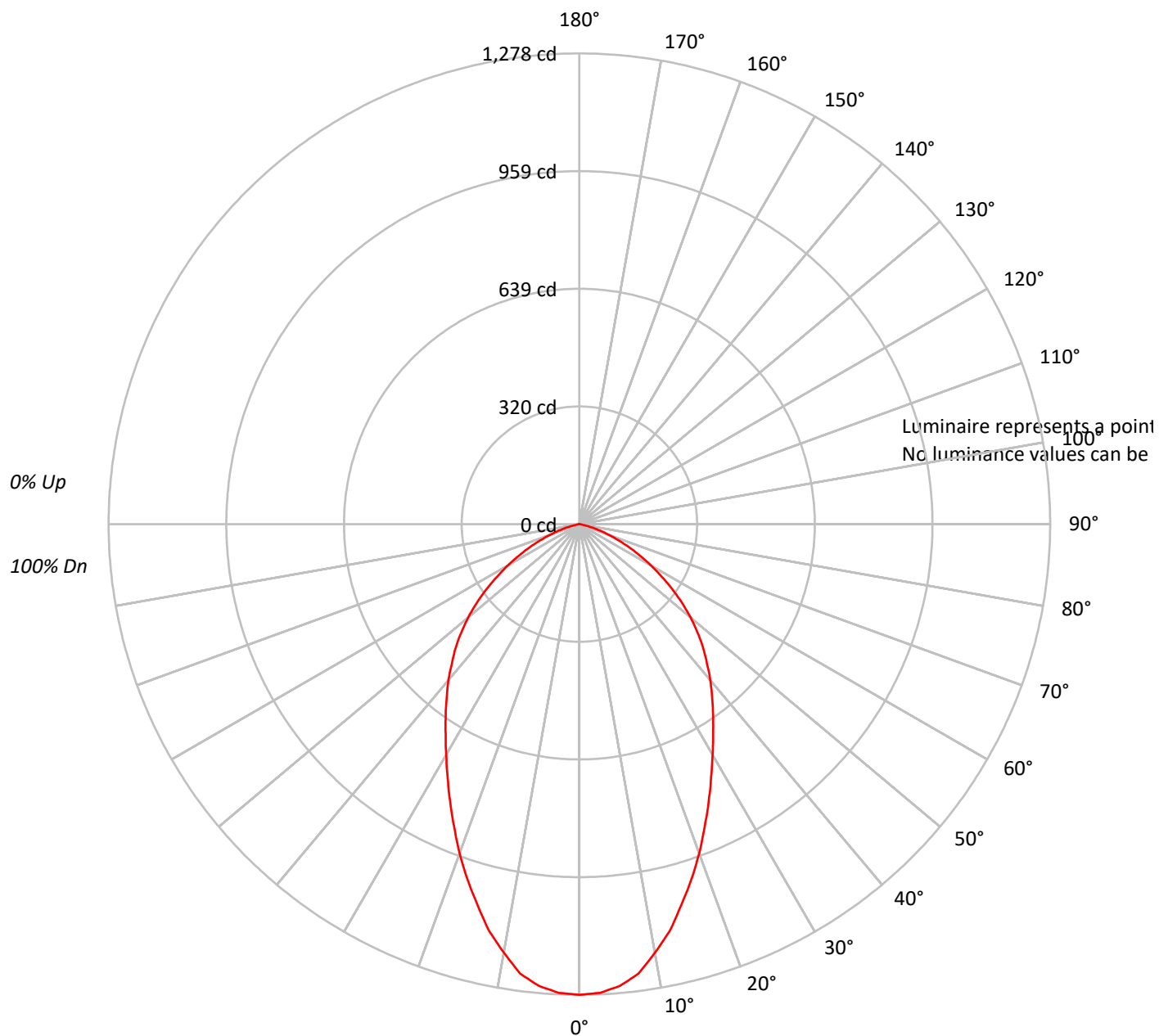
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





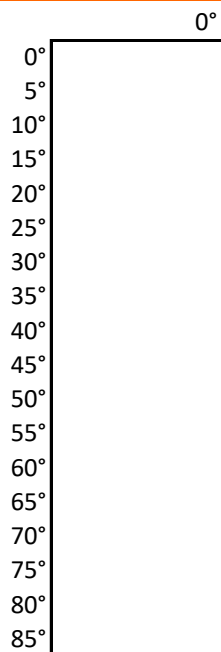
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.8	5.8
10°-20°	299.8	14.8
20°-30°	382.3	18.9
30°-40°	396.5	19.6
40°-50°	365.3	18.0
50°-60°	274.8	13.6
60°-70°	148.3	7.3
70°-80°	39.8	2.0
80°-90°	0.6	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°	799.9	39.5
0°-40°	1196.4	59.1
0°-60°	1836.6	90.7
0°-90°	2025.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2025.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1278	
5°	1259	118
15°	1069	300
25°	830	382
35°	633	396
45°	476	365
55°	308	275
65°	148	148
75°	34	40
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1278.0
2.5°	1273.8
5°	1258.6
7.5°	1230.8
10°	1181.2
12.5°	1131.8
15°	1069.4
17.5°	1011.2
20°	951.0
22.5°	888.6
25°	830.5
27.5°	774.6
30°	722.9
32.5°	675.6
35°	632.6
37.5°	591.6
40°	553.0
42.5°	512.1
45°	475.5
47.5°	434.6
50°	393.8
52.5°	350.8
55°	307.6
57.5°	264.6
60°	223.8
62.5°	185.0
65°	148.5
67.5°	114.0
70°	83.9
72.5°	58.1
75°	34.4
77.5°	15.0
80°	4.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)