

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: P204252

Luminaire Tested: **LE_6B15D010 EC6B10208027 6LBSWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204252
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 EC6B10208027 6LBSWH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH WHEAT 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: 1836.3 lumens
Efficiency: N/A
Efficacy: 128.4 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 1.08
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

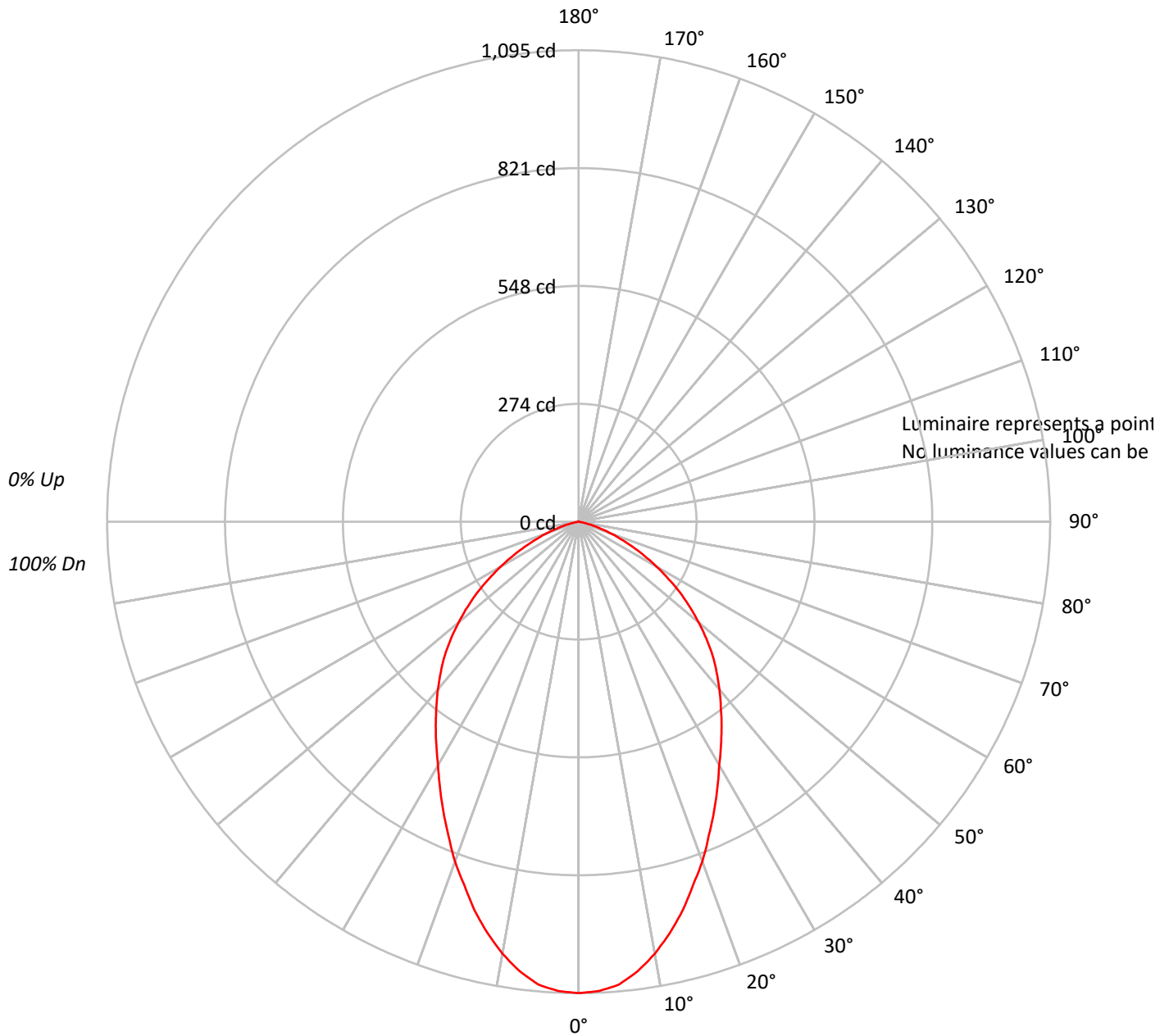
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





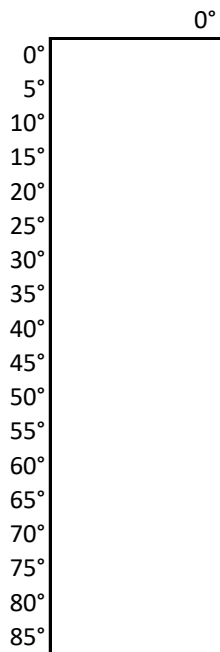
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	108	105	102	99		101	98	96			97	95	93			94
2	103	96	90	85	100	94	89	84		91	86	83			87	84	81			85
3	95	86	79	73	93	84	78	73		82	76	72			79	74	70			76
4	88	77	70	64	86	76	69	63		74	68	63			72	66	62			69
5	81	70	62	56	79	69	62	56		67	60	55			65	59	55			63
6	76	64	56	50	74	63	55	50		61	54	49			60	54	49			58
7	71	58	51	45	69	58	50	45		56	49	45			55	49	44			54
8	66	54	46	41	65	53	46	41		52	45	40			51	45	40			50
9	62	50	42	37	61	49	42	37		48	41	37			47	41	37			46
10	58	46	39	34	57	46	39	34		45	38	34			44	38	34			43

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.0	5.5
10°-20°	261.4	14.2
20°-30°	342.0	18.6
30°-40°	362.1	19.7
40°-50°	337.7	18.4
50°-60°	255.8	13.9
60°-70°	138.5	7.5
70°-80°	37.2	2.0
80°-90°	0.5	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°	704.4	38.4
0°-40°	1066.5	58.1
0°-60°	1660.1	90.4
0°-90°	1836.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1836.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1095	
5°	1079	101
15°	934	261
25°	744	342
35°	579	362
45°	440	338
55°	287	256
65°	139	139
75°	32	37
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1095.1
2.5°	1091.1
5°	1079.1
7.5°	1053.0
10°	1018.8
12.5°	978.6
15°	934.4
17.5°	884.1
20°	840.0
22.5°	789.8
25°	743.5
27.5°	697.2
30°	653.1
32.5°	614.9
35°	578.8
37.5°	542.5
40°	508.4
42.5°	474.2
45°	440.1
47.5°	401.9
50°	363.8
52.5°	325.5
55°	287.4
57.5°	247.1
60°	209.0
62.5°	172.8
65°	138.6
67.5°	106.5
70°	78.4
72.5°	54.2
75°	32.1
77.5°	14.1
80°	4.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)