

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: P204153

Luminaire Tested: **LE_6B15D010 EC6B10208050 6LBSH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204153
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 EC6B10208050 6LBSH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SEMI-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: 1976.2 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

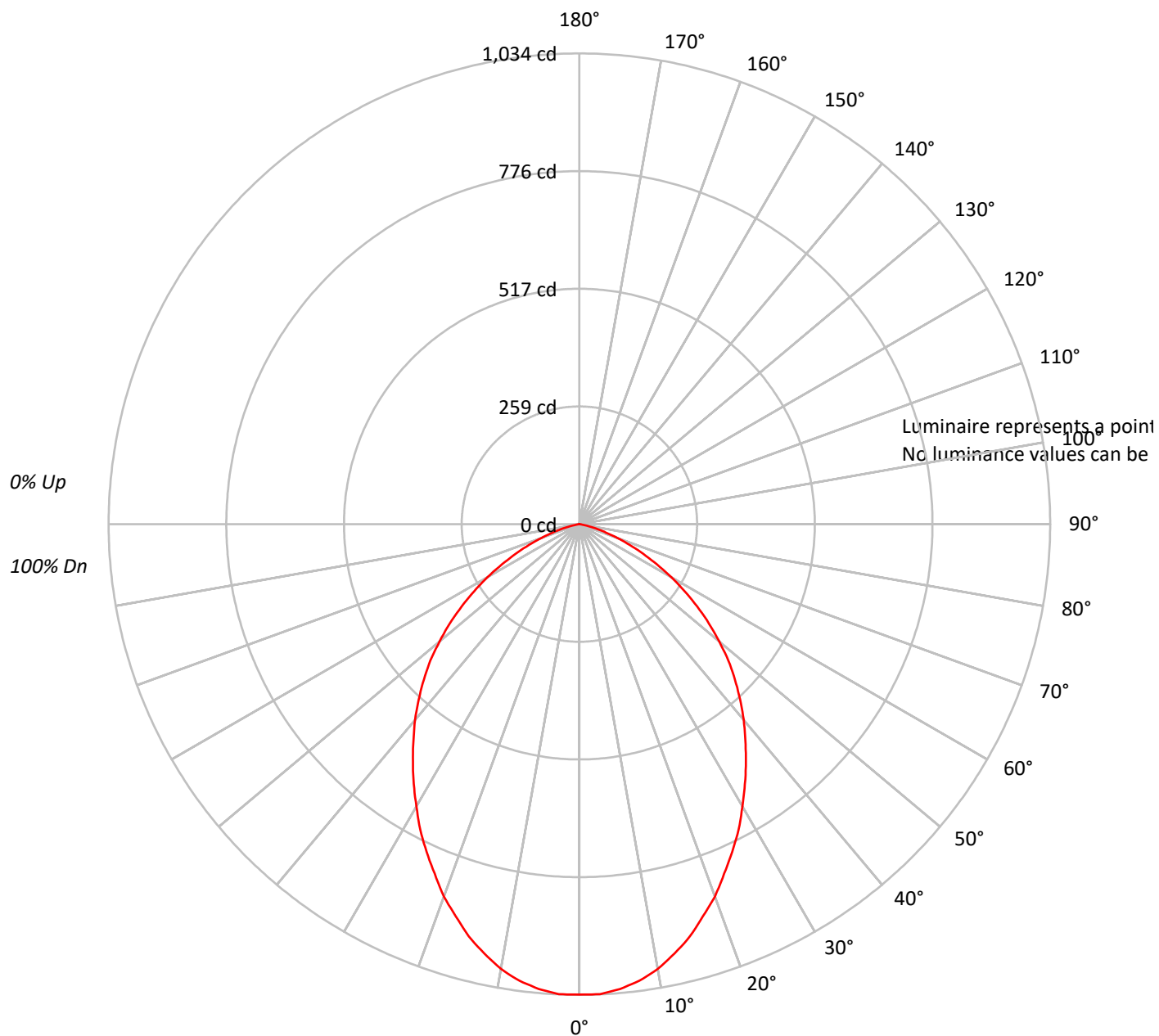
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





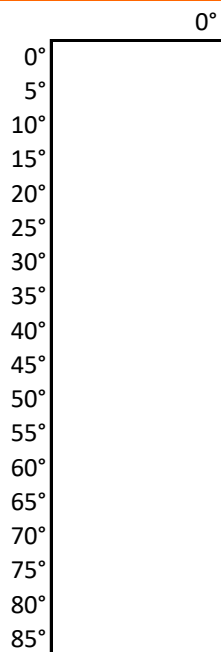
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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			93
2	102	96	90	85	100	94	88	84		90	86	82			87	83	80			84
3	95	85	78	73	92	84	77	72		81	75	71			78	74	70			76
4	87	77	69	63	85	75	68	63		73	67	62			71	65	61			69
5	81	69	61	55	79	68	61	55		66	60	55			64	59	54			63
6	75	63	55	49	73	62	54	49		60	54	49			59	53	48			57
7	70	58	50	44	68	57	49	44		55	49	44			54	48	43			53
8	65	53	45	40	64	52	45	40		51	44	39			50	44	39			49
9	61	49	41	36	60	48	41	36		47	40	36			46	40	36			45
10	58	45	38	33	56	45	38	33		44	37	33			43	37	33			42

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.8	4.9
10°-20°	263.1	13.3
20°-30°	365.4	18.5
30°-40°	398.8	20.2
40°-50°	372.0	18.8
50°-60°	282.3	14.3
60°-70°	154.6	7.8
70°-80°	42.5	2.2
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°	725.4	36.7
0°-40°	1124.1	56.9
0°-60°	1778.5	90.0
0°-90°	1976.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1976.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1034	
5°	1025	97
15°	938	263
25°	794	365
35°	638	399
45°	483	372
55°	316	282
65°	154	155
75°	37	43
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1033.5
2.5°	1033.5
5°	1024.9
7.5°	1011.8
10°	992.2
12.5°	966.1
15°	937.8
17.5°	903.0
20°	870.4
22.5°	831.1
25°	794.2
27.5°	757.2
30°	715.9
32.5°	676.8
35°	637.5
37.5°	598.4
40°	561.4
42.5°	522.2
45°	483.0
47.5°	443.9
50°	400.4
52.5°	359.0
55°	315.5
57.5°	274.1
60°	232.9
62.5°	191.5
65°	154.5
67.5°	119.6
70°	89.2
72.5°	60.9
75°	37.0
77.5°	17.4
80°	4.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)