

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: P204242

Luminaire Tested: **LE_6B10D010 EC6B10208035 6LBSWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204242
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_6B10D010 EC6B10208035 6LBSWH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH WHEAT TRIM
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W
DL3-11.1 W DLE-11.39 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1425.8 lumens
Efficiency: N/A
Efficacy: 144.0 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

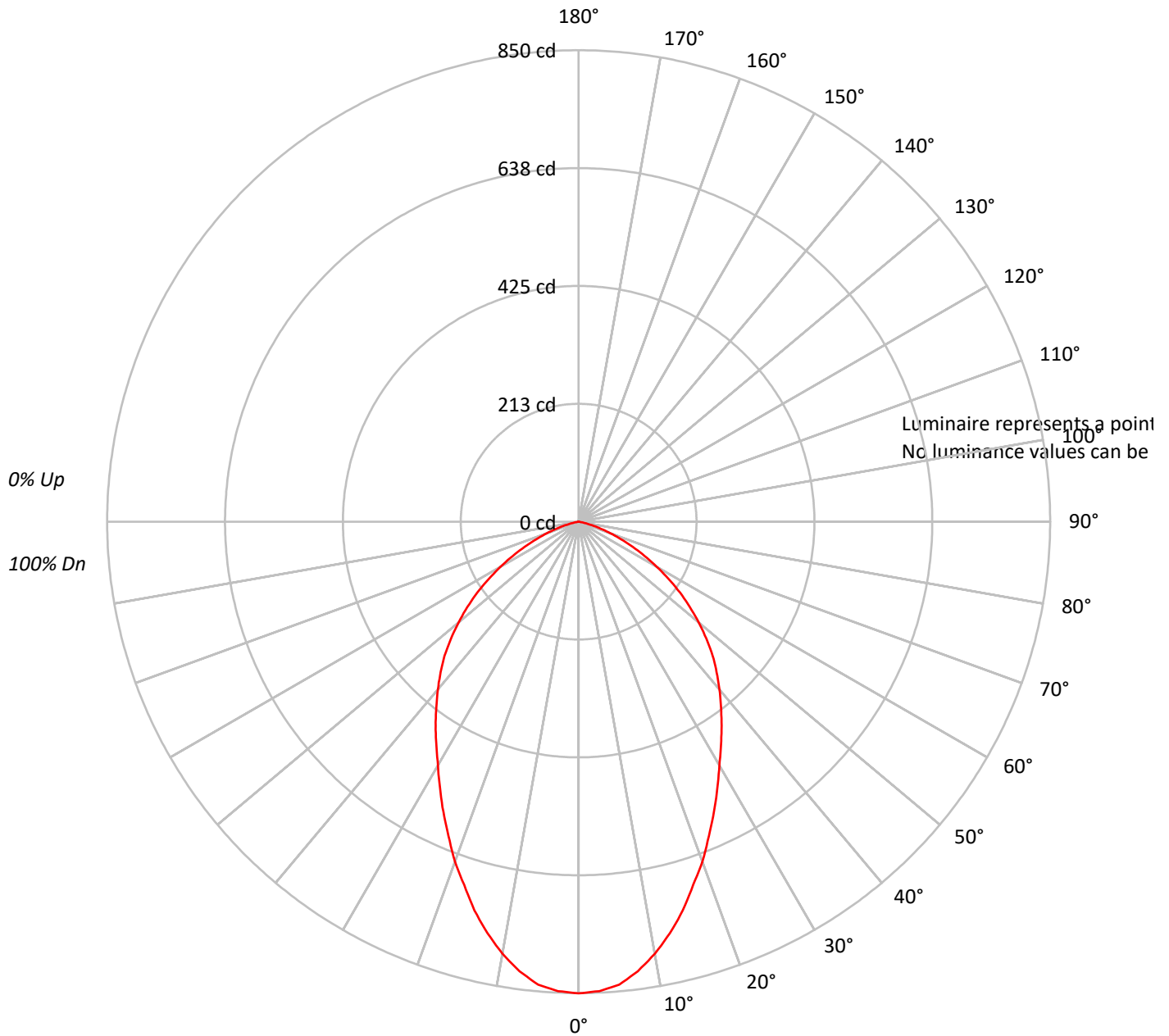
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: LE_6B10D010 EC6B10208035 6LBSWH1

Luminous Intensity Polar Plot





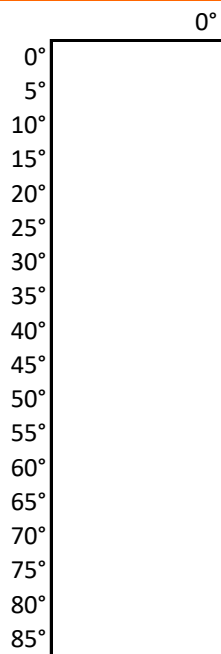
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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			0
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			100
1	111	107	104	101	108	105	102	99		101	98	96			97	95	93			89
2	103	96	90	85	100	94	89	84		91	86	83			87	84	81			77
3	95	86	79	73	93	84	78	73		82	76	72			79	74	70			67
4	88	77	70	64	86	76	69	63		74	68	63			72	66	62			59
5	81	70	62	56	79	69	62	56		67	60	55			65	59	55			52
6	76	64	56	50	74	63	55	50		61	54	49			60	54	49			47
7	71	58	51	45	69	58	50	45		56	49	45			55	49	44			42
8	66	54	46	41	65	53	46	41		52	45	40			51	45	40			38
9	62	50	42	37	61	49	42	37		48	41	37			47	41	37			35
10	58	46	39	34	57	46	39	34		45	38	34			44	38	34			32

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.4	5.5
10°-20°	203.0	14.2
20°-30°	265.5	18.6
30°-40°	281.1	19.7
40°-50°	262.2	18.4
50°-60°	198.6	13.9
60°-70°	107.6	7.5
70°-80°	28.9	2.0
80°-90°	0.4	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°	546.9	38.4
0°-40°	828.1	58.1
0°-60°	1288.9	90.4
0°-90°	1425.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1425.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	850	
5°	838	78
15°	726	203
25°	577	265
35°	449	281
45°	342	262
55°	223	199
65°	108	108
75°	25	29
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	850.4
2.5°	847.2
5°	837.9
7.5°	817.5
10°	791.0
12.5°	759.9
15°	725.5
17.5°	686.5
20°	652.1
22.5°	613.1
25°	577.2
27.5°	541.4
30°	507.1
32.5°	477.4
35°	449.4
37.5°	421.2
40°	394.8
42.5°	368.2
45°	341.8
47.5°	312.0
50°	282.4
52.5°	252.8
55°	223.1
57.5°	191.9
60°	162.2
62.5°	134.1
65°	107.6
67.5°	82.8
70°	60.9
72.5°	42.1
75°	25.0
77.5°	10.9
80°	3.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)