

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: P205370

Luminaire Tested: **LE_6B10D010 EC6B10208035 6LBSLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205370
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 6LBSLI1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SPECULAR CLEAR 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: 1467.9 lumens
Efficiency: N/A
Efficacy: 148.3 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

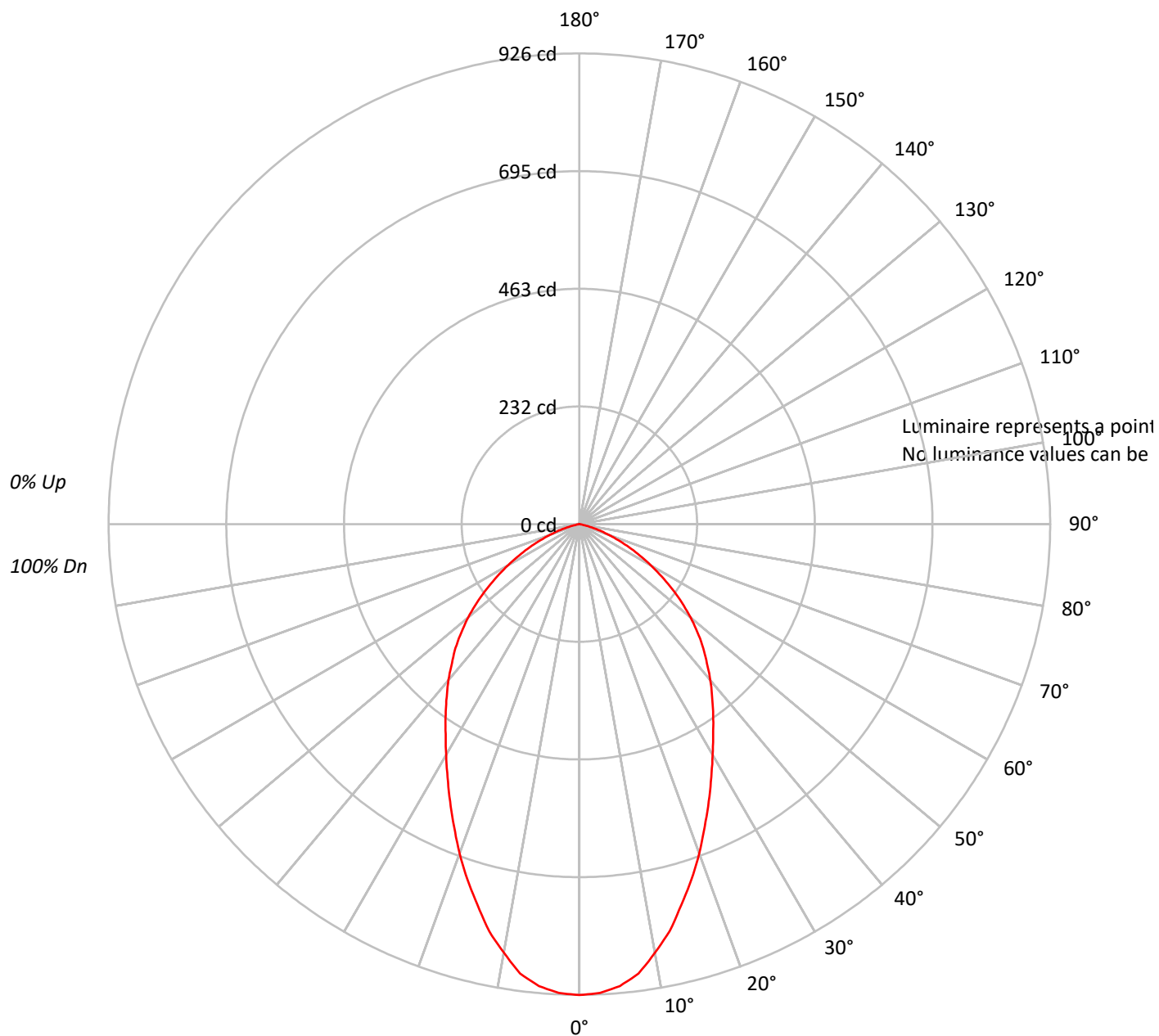
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		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°	85.4	5.8
10°-20°	217.3	14.8
20°-30°	277.1	18.9
30°-40°	287.4	19.6
40°-50°	264.8	18.0
50°-60°	199.2	13.6
60°-70°	107.5	7.3
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°	579.8	39.5
0°-40°	867.1	59.1
0°-60°	1331.1	90.7
0°-90°	1467.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1467.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	926	
5°	912	85
15°	775	217
25°	602	277
35°	458	287
45°	345	265
55°	223	199
65°	108	108
75°	25	29
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	926.4
2.5°	923.2
5°	912.2
7.5°	892.0
10°	856.1
12.5°	820.2
15°	775.0
17.5°	733.0
20°	689.2
22.5°	644.0
25°	602.0
27.5°	561.4
30°	524.0
32.5°	489.6
35°	458.5
37.5°	428.9
40°	400.8
42.5°	371.1
45°	344.6
47.5°	315.0
50°	285.4
52.5°	254.2
55°	223.0
57.5°	191.9
60°	162.1
62.5°	134.1
65°	107.6
67.5°	82.6
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)