

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: P204454

Luminaire Tested: **LE_6B10D010 EC6B10209040 6LBSB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204454
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 EC6B10209040 6LBSB1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SPECULAR BLACK 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: 1055.3 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.3
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

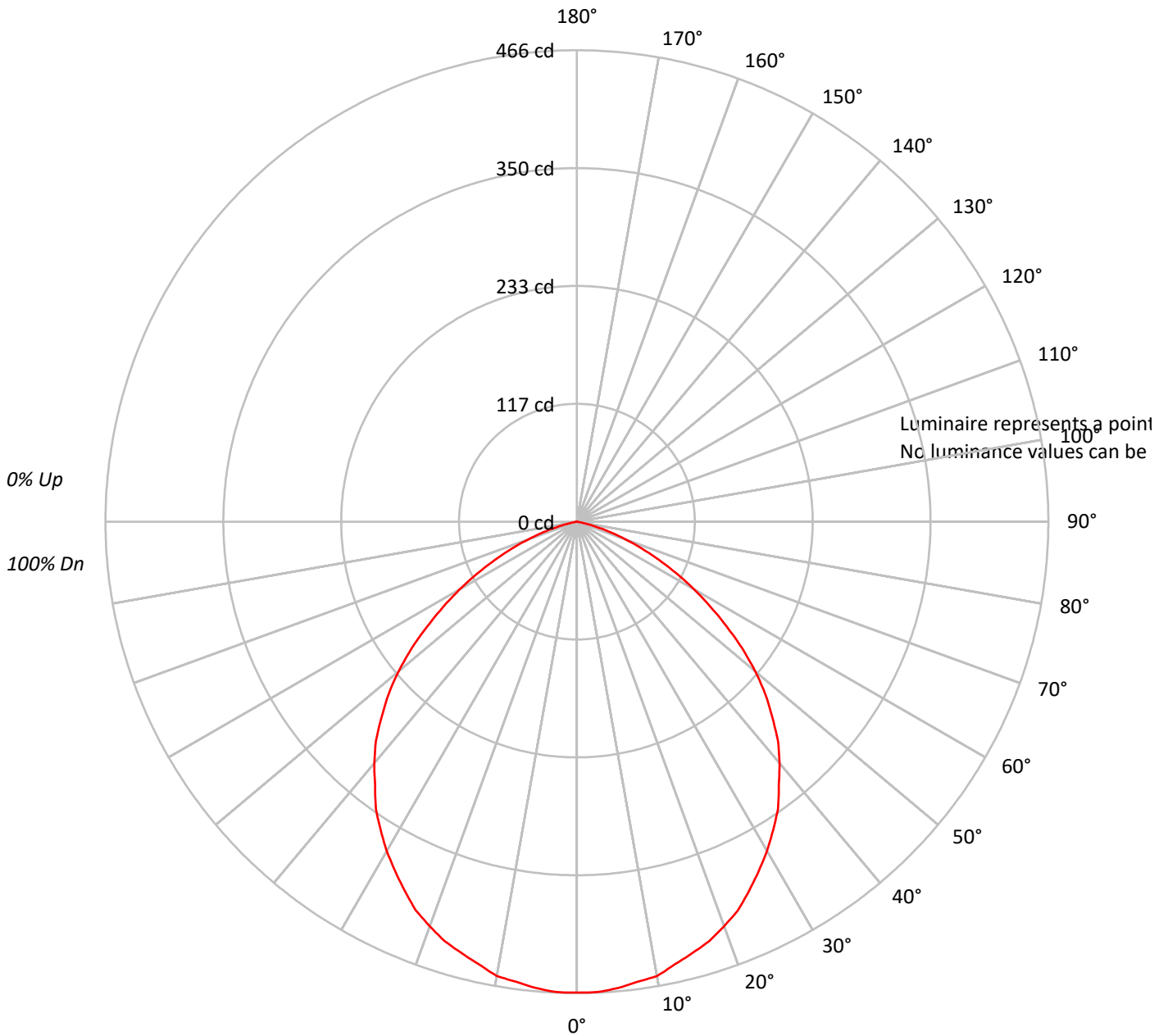
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	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	102	102	102	100			100																
1	111	107	103	100	108	105	101	98	100	98	95	97	94	93	93	91	90	88			88																
2	102	95	89	84	100	93	88	83	90	85	81	86	83	79	84	80	78	76			76																
3	94	84	77	72	91	83	76	71	80	74	70	77	73	68	75	71	67	65			65																
4	86	76	68	62	84	74	67	61	72	65	60	70	64	60	68	63	59	57			57																
5	80	68	60	54	78	67	59	53	65	58	53	63	57	52	61	56	52	50			50																
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44			44																
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39			39																
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35			35																
9	60	47	39	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32			32																
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29			29																

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.9	4.2
10°-20°	124.7	11.8
20°-30°	185.4	17.6
30°-40°	215.8	20.4
40°-50°	210.3	19.9
50°-60°	161.8	15.3
60°-70°	89.4	8.5
70°-80°	23.7	2.2
80°-90°	0.2	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°	354.0	33.5
0°-40°	569.8	54.0
0°-60°	941.9	89.3
0°-90°	1055.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1055.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	466	
5°	463	44
15°	441	125
25°	403	185
35°	346	216
45°	273	210
55°	181	162
65°	90	89
75°	20	24
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	465.5
2.5°	465.5
5°	462.8
7.5°	458.8
10°	456.1
12.5°	448.1
15°	441.4
17.5°	434.8
20°	425.4
22.5°	416.0
25°	402.6
27.5°	389.2
30°	375.9
32.5°	361.1
35°	346.5
37.5°	327.8
40°	311.6
42.5°	294.2
45°	272.9
47.5°	252.8
50°	230.1
52.5°	206.0
55°	180.6
57.5°	156.5
60°	133.8
62.5°	111.0
65°	89.6
67.5°	69.5
70°	50.9
72.5°	34.8
75°	20.1
77.5°	9.4
80°	1.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)