

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: P204890

Luminaire Tested: **LE_6B20D010 EC6B10209024 6LBCSMB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204890
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_6B20D010 EC6B10209024 6LBCSMB1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE BLACK TRIM
WATTAGE D010TR-21.86 W DE010-20.46 W D5LT-21.24 W DMX-20.89 W DL2-22.5 W
DL3-21.8 6 W DLE-22.46 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1708.2 lumens
Efficiency: N/A
Efficacy: 82.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

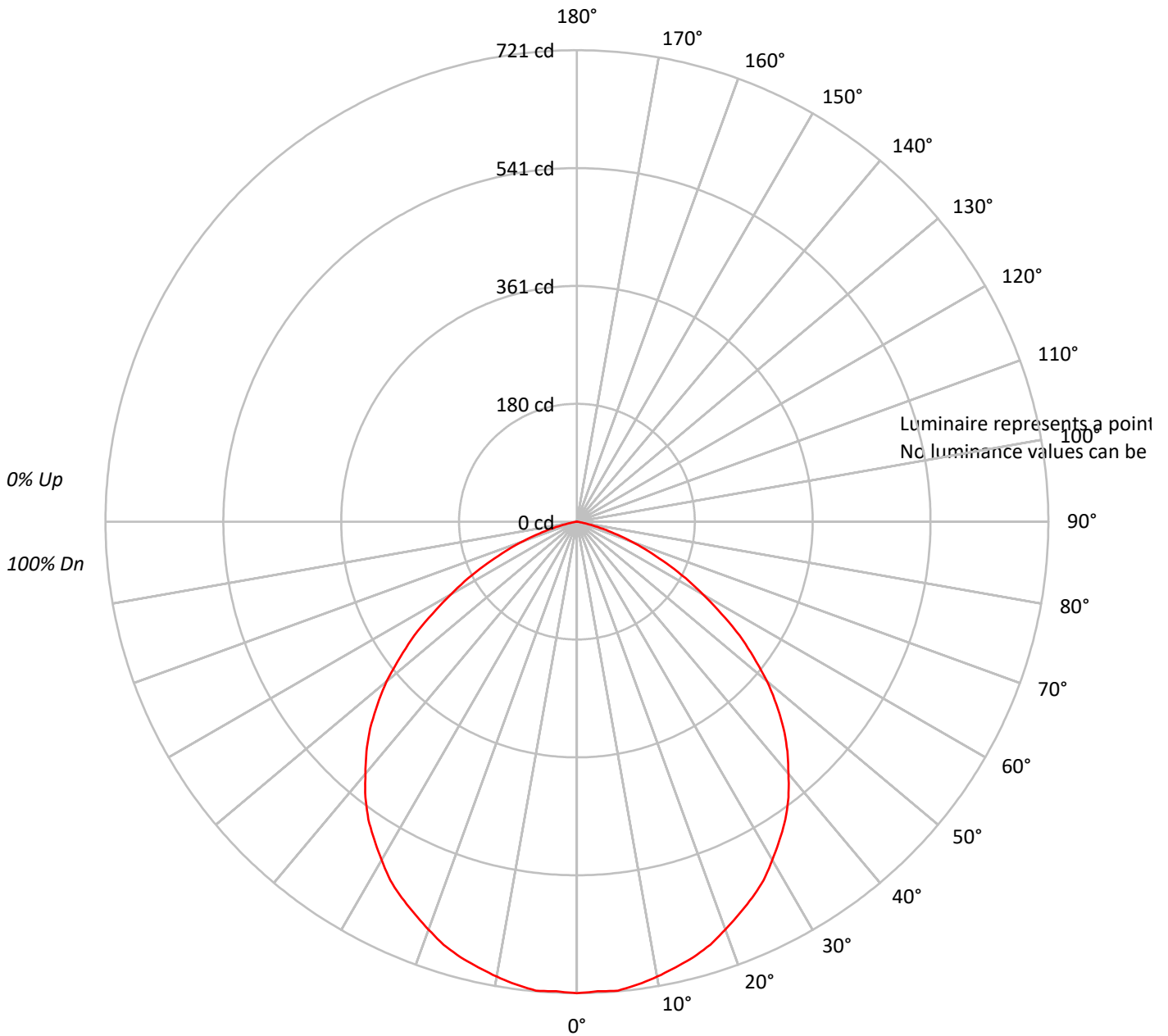
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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	100	100
1	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88	88	88	88
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75	75	75	75
3	93	84	77	71	91	83	76	70	80	74	69	77	72	68	74	70	67	65	65	65	65
4	86	75	67	61	84	74	66	61	71	65	60	69	63	59	67	62	58	56	56	56	56
5	79	67	59	53	77	66	59	53	64	57	52	62	56	52	61	55	51	49	49	49	49
6	74	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43	43	43	43
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	39	39	39	39
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35	35	35	35
9	60	47	39	33	58	46	39	33	45	38	33	44	38	33	43	37	33	31	31	31	31
10	56	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	30	28	28	28	28

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.2	4.0
10°-20°	194.4	11.4
20°-30°	292.2	17.1
30°-40°	346.7	20.3
40°-50°	343.1	20.1
50°-60°	269.5	15.8
60°-70°	151.1	8.8
70°-80°	42.4	2.5
80°-90°	0.7	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°	554.8	32.5
0°-40°	901.4	52.8
0°-60°	1514.0	88.6
0°-90°	1708.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1708.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	721	
5°	720	68
15°	689	194
25°	634	292
35°	556	347
45°	447	343
55°	304	269
65°	151	151
75°	37	42
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	721.2
2.5°	718.9
5°	720.0
7.5°	713.9
10°	706.6
12.5°	698.0
15°	689.4
17.5°	678.4
20°	663.8
22.5°	649.0
25°	634.4
27.5°	618.4
30°	597.6
32.5°	576.8
35°	556.0
37.5°	531.5
40°	503.2
42.5°	476.4
45°	447.0
47.5°	413.9
50°	379.6
52.5°	340.4
55°	303.8
57.5°	262.0
60°	222.9
62.5°	187.4
65°	150.6
67.5°	118.8
70°	88.1
72.5°	60.0
75°	36.8
77.5°	18.4
80°	4.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)