

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: P205098

Luminaire Tested: **LE_6B20D010 EC6B10209040 6LBMLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205098
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 EC6B10209040 6LBML1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH SPECULAR CLEAR 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: 1977.5 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

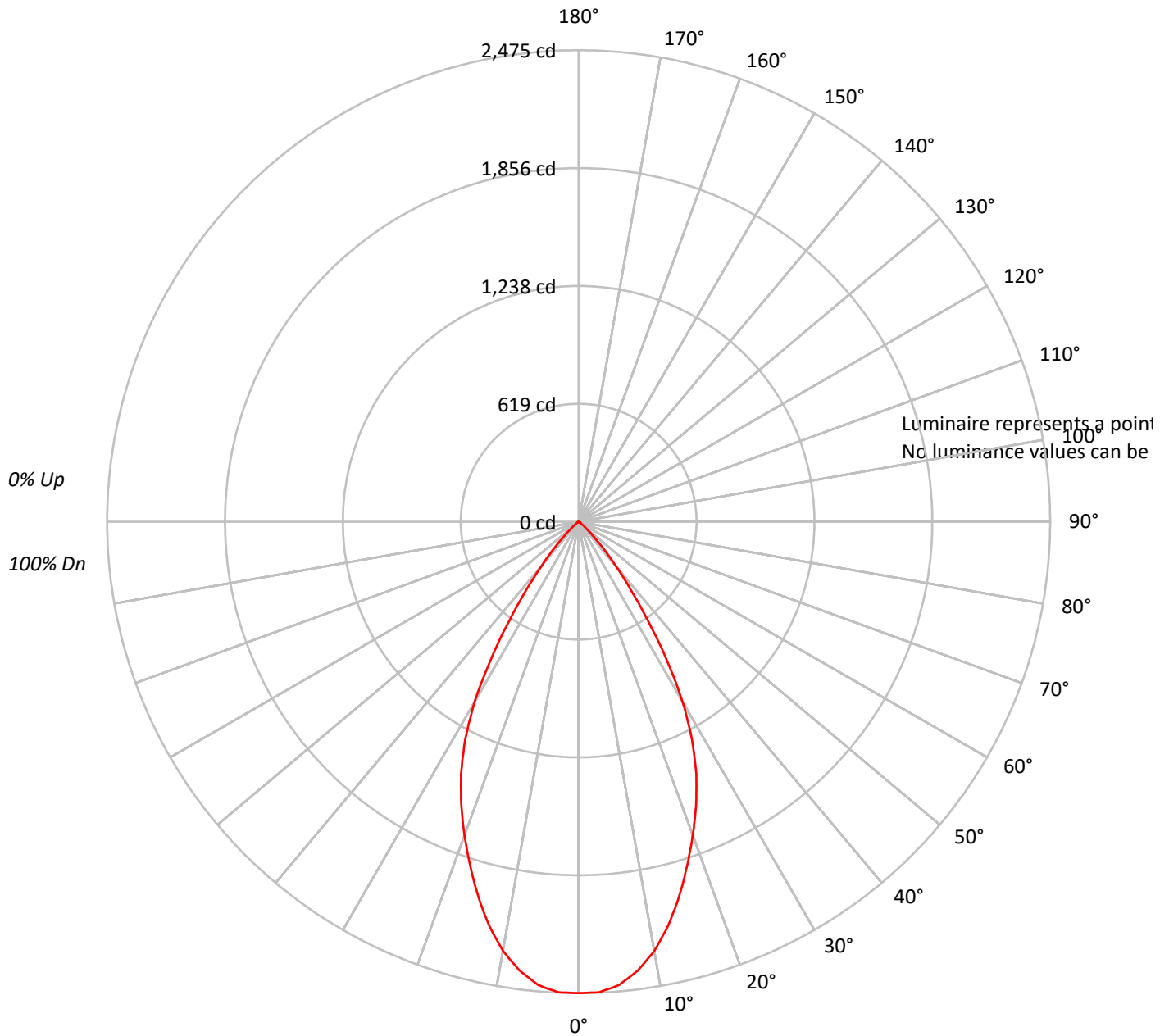
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98
2	108	103	100	96	106	102	98	95	99	96	93		96	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	85	81	96	89	84	81	87	83	80		85	82	79		83
5	93	85	79	75	91	84	79	75	82	78	74		81	77	73		79
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75
7	84	75	69	65	83	75	69	65	73	68	65		72	68	64		71
8	80	71	65	61	79	70	65	61	69	64	61		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	57	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.0	11.5
10°-20°	567.6	28.7
20°-30°	659.8	33.4
30°-40°	404.1	20.4
40°-50°	100.3	5.1
50°-60°	11.7	0.6
60°-70°	4.3	0.2
70°-80°	1.6	0.1
80°-90°	0.0	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°	1455.4	73.6
0°-40°	1859.5	94.0
0°-60°	1971.5	99.7
0°-90°	1977.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1977.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2475	
5°	2442	228
15°	2037	568
25°	1460	660
35°	633	404
45°	111	100
55°	10	12
65°	5	4
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2474.9
2.5°	2472.4
5°	2442.0
7.5°	2376.1
10°	2287.6
12.5°	2171.2
15°	2037.1
17.5°	1892.9
20°	1751.1
22.5°	1609.4
25°	1460.1
27.5°	1288.0
30°	1090.6
32.5°	860.4
35°	632.6
37.5°	445.4
40°	303.6
42.5°	189.8
45°	111.4
47.5°	63.2
50°	32.9
52.5°	15.1
55°	10.1
57.5°	7.6
60°	7.6
62.5°	5.0
65°	5.0
67.5°	2.5
70°	2.5
72.5°	2.5
75°	2.5
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)