

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: io LED

Report Number: P202628

Luminaire Tested: **LD6B20D010 EU6B10209727 6LBMWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202628
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: io LED
Catalog Number: LD6B20D010 EU6B10209727 6LBMWMH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH WARM HAZE 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: 1141.9 lumens
Efficiency: N/A
Efficacy: 54.9 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.89
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

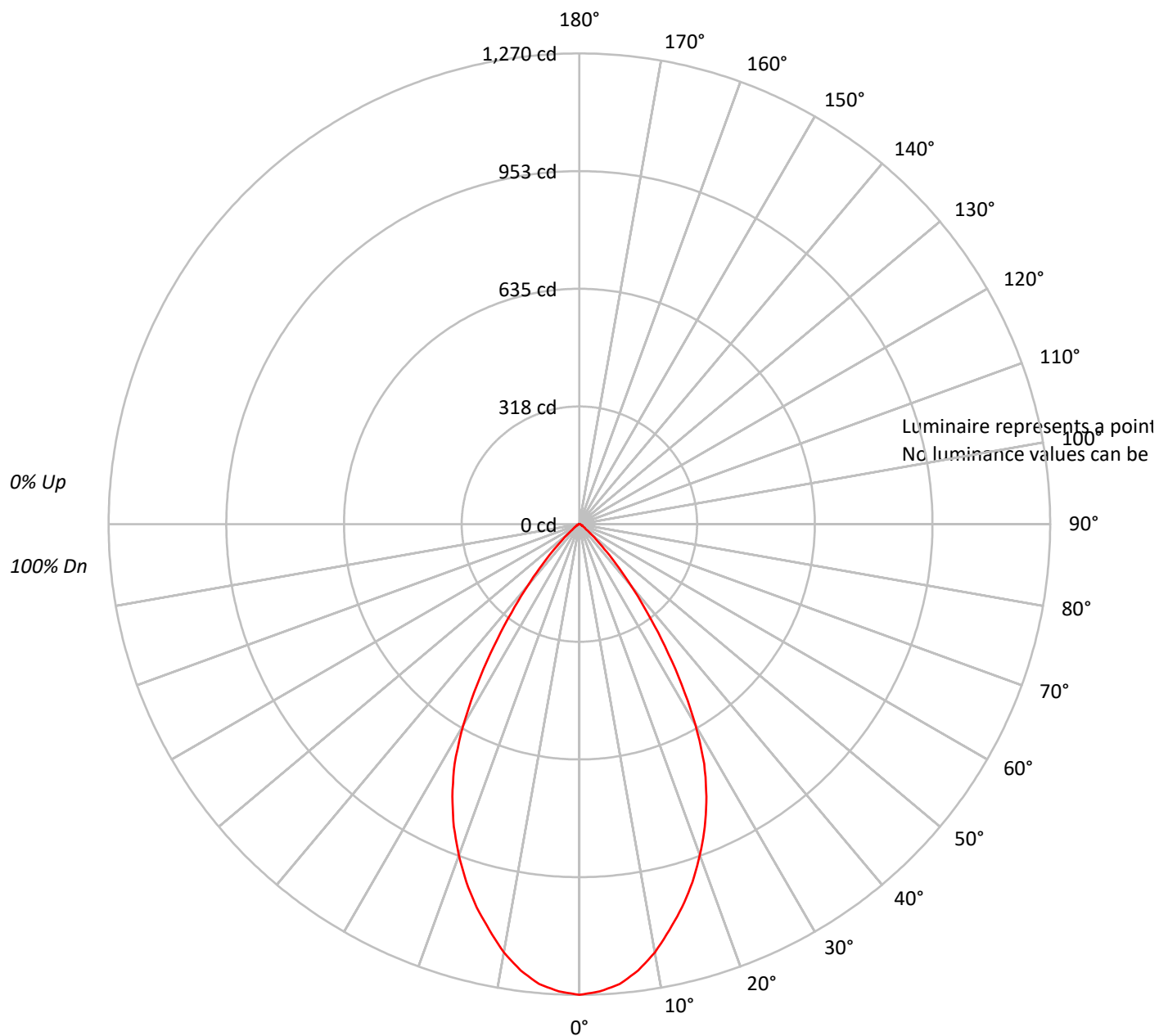
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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	113	111	108	106		111	108	106	104		104	103	101			101	99	98			97
2	108	103	99	95		105	101	97	94		98	95	92			95	92	90			92
3	102	95	90	86		100	94	89	86		91	88	84			89	86	83			87
4	97	89	83	79		95	88	83	79		86	81	78			84	80	77			82
5	92	83	77	73		90	82	77	73		80	76	72			79	75	71			77
6	87	78	72	67		85	77	71	67		76	71	67			74	70	66			73
7	83	73	67	63		81	72	67	63		71	66	62			70	65	62			69
8	78	69	63	58		77	68	62	58		67	62	58			66	61	58			65
9	75	65	59	55		73	64	59	55		63	58	54			62	58	54			62
10	71	61	55	51		70	61	55	51		60	55	51			59	54	51			58

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.6	10.2
10°-20°	299.2	26.2
20°-30°	367.5	32.2
30°-40°	252.0	22.1
40°-50°	81.0	7.1
50°-60°	16.4	1.4
60°-70°	6.4	0.6
70°-80°	2.4	0.2
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°	783.3	68.6
0°-40°	1035.3	90.7
0°-60°	1132.7	99.2
0°-90°	1141.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1141.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1270	
5°	1246	117
15°	1070	299
25°	811	368
35°	402	252
45°	96	81
55°	16	16
65°	7	6
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1270.0
2.5°	1262.2
5°	1245.7
7.5°	1214.7
10°	1173.1
12.5°	1121.7
15°	1070.4
17.5°	1013.3
20°	950.3
22.5°	884.4
25°	810.8
27.5°	729.4
30°	626.7
32.5°	513.4
35°	402.0
37.5°	300.3
40°	216.0
42.5°	147.2
45°	95.9
47.5°	59.1
50°	35.8
52.5°	22.3
55°	16.5
57.5°	12.6
60°	9.7
62.5°	7.7
65°	6.8
67.5°	4.8
70°	3.9
72.5°	2.9
75°	1.9
77.5°	1.9
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)