

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: P204064

Luminaire Tested: **LD6B20D010 EU6B10209024 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204064
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 EU6B10209024 6LBNMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH MATTE WHITE 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: 1062.8 lumens
Efficiency: N/A
Efficacy: 51.1 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

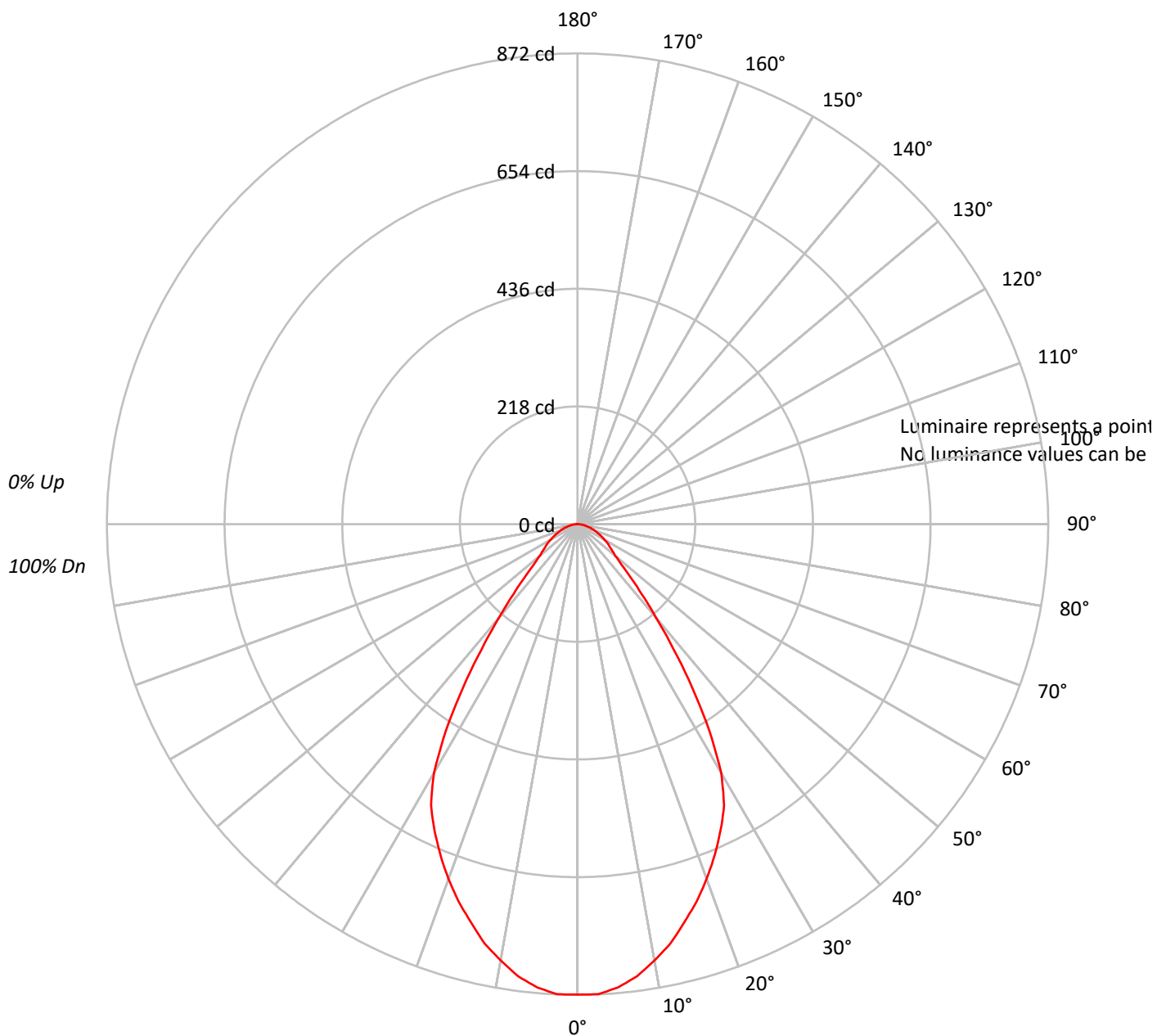
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





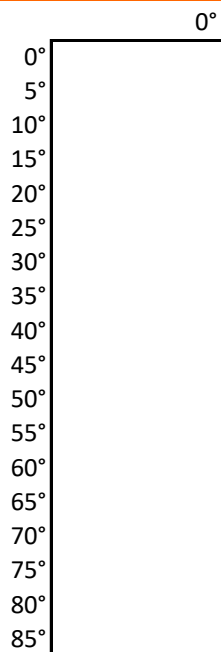
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	112	108	105	103	109	106	103	101		102	100	98			98	97	95			95
2	105	99	94	90	102	97	92	89		94	90	87			91	87	85			88
3	98	90	84	79	96	89	83	79		86	81	77			84	80	76			81
4	92	83	76	71	90	82	76	71		80	74	70			77	73	69			75
5	87	77	70	64	85	76	69	64		74	68	64			72	67	63			70
6	81	71	64	59	80	70	63	59		68	63	58			67	62	58			66
7	77	66	59	54	75	65	59	54		64	58	54			63	57	53			61
8	72	61	55	50	71	61	54	50		60	54	49			59	53	49			58
9	69	58	51	46	67	57	51	46		56	50	46			55	50	46			54
10	65	54	47	43	64	54	47	43		53	47	43			52	46	43			51

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.9	7.6
10°-20°	214.5	20.2
20°-30°	286.4	26.9
30°-40°	231.1	21.7
40°-50°	110.7	10.4
50°-60°	65.6	6.2
60°-70°	43.6	4.1
70°-80°	23.4	2.2
80°-90°	6.4	0.6
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°	581.9	54.7
0°-40°	813.0	76.5
0°-60°	989.3	93.1
0°-90°	1062.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1062.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	872	
5°	862	81
15°	764	215
25°	627	286
35°	370	231
45°	137	111
55°	73	66
65°	44	44
75°	22	23
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	871.6
2.5°	871.6
5°	861.5
7.5°	844.6
10°	820.9
12.5°	795.6
15°	763.5
17.5°	733.1
20°	699.3
22.5°	663.8
25°	626.7
27.5°	587.8
30°	532.1
32.5°	454.4
35°	369.9
37.5°	292.2
40°	226.4
42.5°	175.7
45°	136.8
47.5°	108.1
50°	91.2
52.5°	81.1
55°	72.6
57.5°	65.9
60°	57.4
62.5°	50.7
65°	43.9
67.5°	37.2
70°	32.1
72.5°	27.0
75°	22.0
77.5°	16.9
80°	13.5
82.5°	10.1
85°	5.1
87.5°	1.7
90°	0.0



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— 0°-180°







(END OF REPORT)