

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: P203553

Luminaire Tested: **LD6B20D010 EU6B10209040 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203553
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 EU6B10209040 6LBMMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM 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: 1418.0 lumens
Efficiency: N/A
Efficacy: 68.2 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

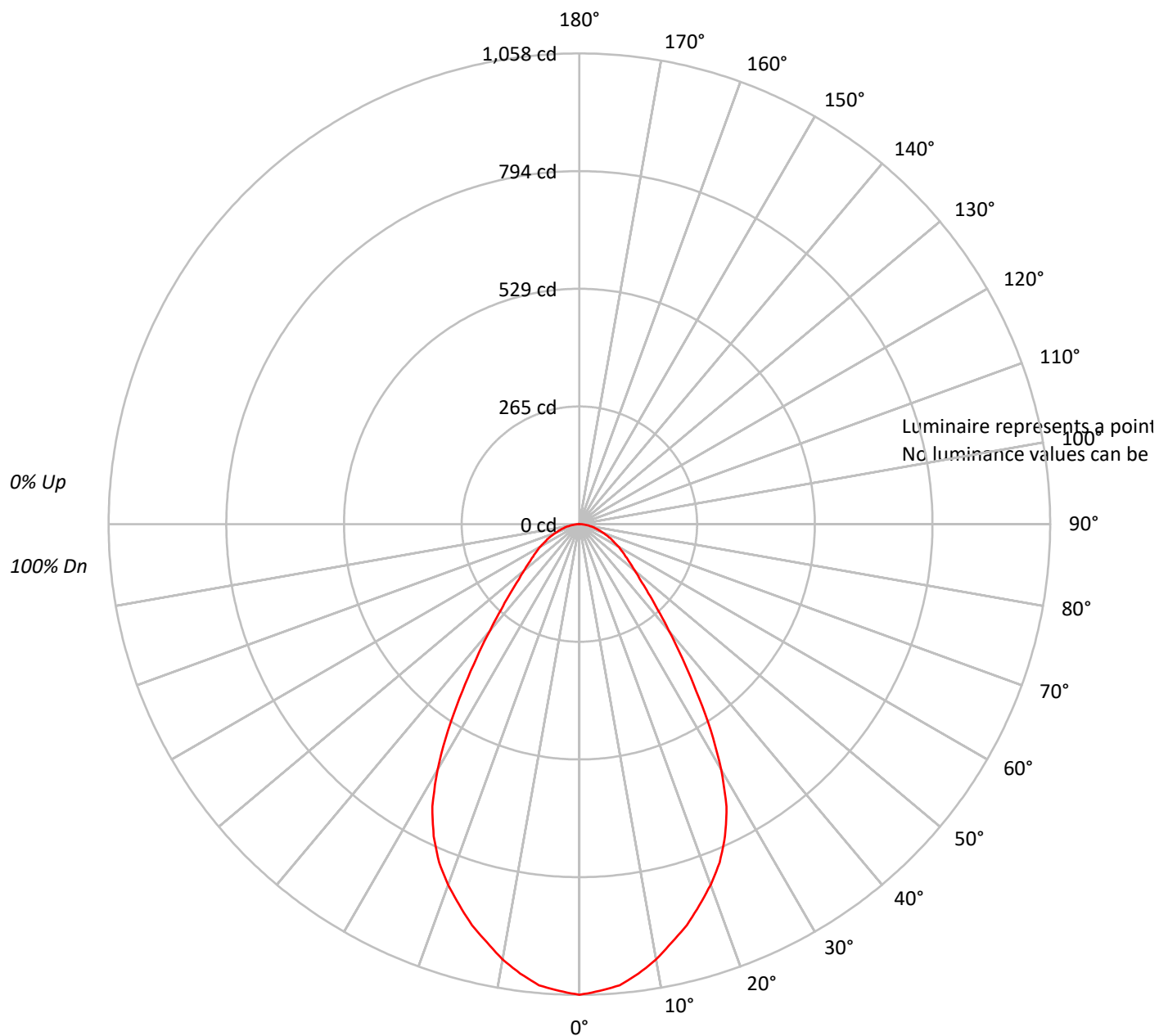
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





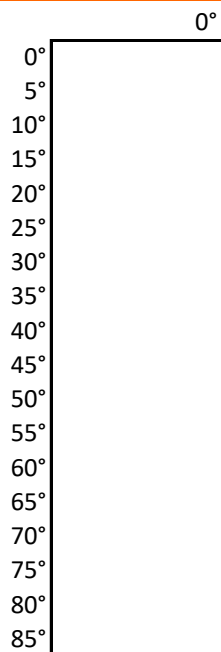
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					0
RW	70	50	30	10		70	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			100
1	111	108	104	101		109	105	103	100		101	99	97			98	96	94			89
2	104	97	92	88		101	96	91	87		92	88	85			89	86	83			79
3	97	88	82	77		95	87	81	76		84	79	75			82	77	74			71
4	90	81	74	68		88	80	73	68		77	72	67			75	70	66			64
5	85	74	67	61		83	73	66	61		71	65	61			69	64	60			58
6	79	68	61	56		78	68	61	56		66	60	55			64	59	55			53
7	75	63	56	51		73	63	56	51		61	55	50			60	54	50			48
8	70	59	52	47		69	58	51	47		57	51	46			56	50	46			44
9	66	55	48	43		65	54	48	43		53	47	43			52	47	43			41
10	63	51	45	40		62	51	44	40		50	44	40			49	44	40			38

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.7	6.9
10°-20°	261.8	18.5
20°-30°	351.5	24.8
30°-40°	288.3	20.3
40°-50°	173.1	12.2
50°-60°	115.1	8.1
60°-70°	77.1	5.4
70°-80°	41.5	2.9
80°-90°	11.7	0.8
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°	711.1	50.1
0°-40°	999.4	70.5
0°-60°	1287.6	90.8
0°-90°	1418.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1418.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1058	
5°	1040	98
15°	933	262
25°	774	352
35°	458	288
45°	219	173
55°	127	115
65°	78	77
75°	39	42
85°	10	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1058.0
2.5°	1050.2
5°	1040.4
7.5°	1018.9
10°	993.5
12.5°	962.2
15°	932.9
17.5°	897.7
20°	862.5
22.5°	823.4
25°	774.5
27.5°	715.8
30°	637.6
32.5°	549.6
35°	457.6
37.5°	379.4
40°	312.9
42.5°	260.1
45°	219.0
47.5°	185.8
50°	162.3
52.5°	142.8
55°	127.1
57.5°	113.4
60°	101.7
62.5°	88.0
65°	78.2
67.5°	66.5
70°	56.7
72.5°	46.9
75°	39.1
77.5°	31.3
80°	23.5
82.5°	17.6
85°	9.8
87.5°	3.9
90°	0.0



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— 0°-180°







(END OF REPORT)