

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: P204997

Luminaire Tested: **LD6B20D010 EU6B10209040 6LBCSMMS1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204997
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 6LBCSMMS1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE METALLIC SILVER 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: 1818.5 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.27
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

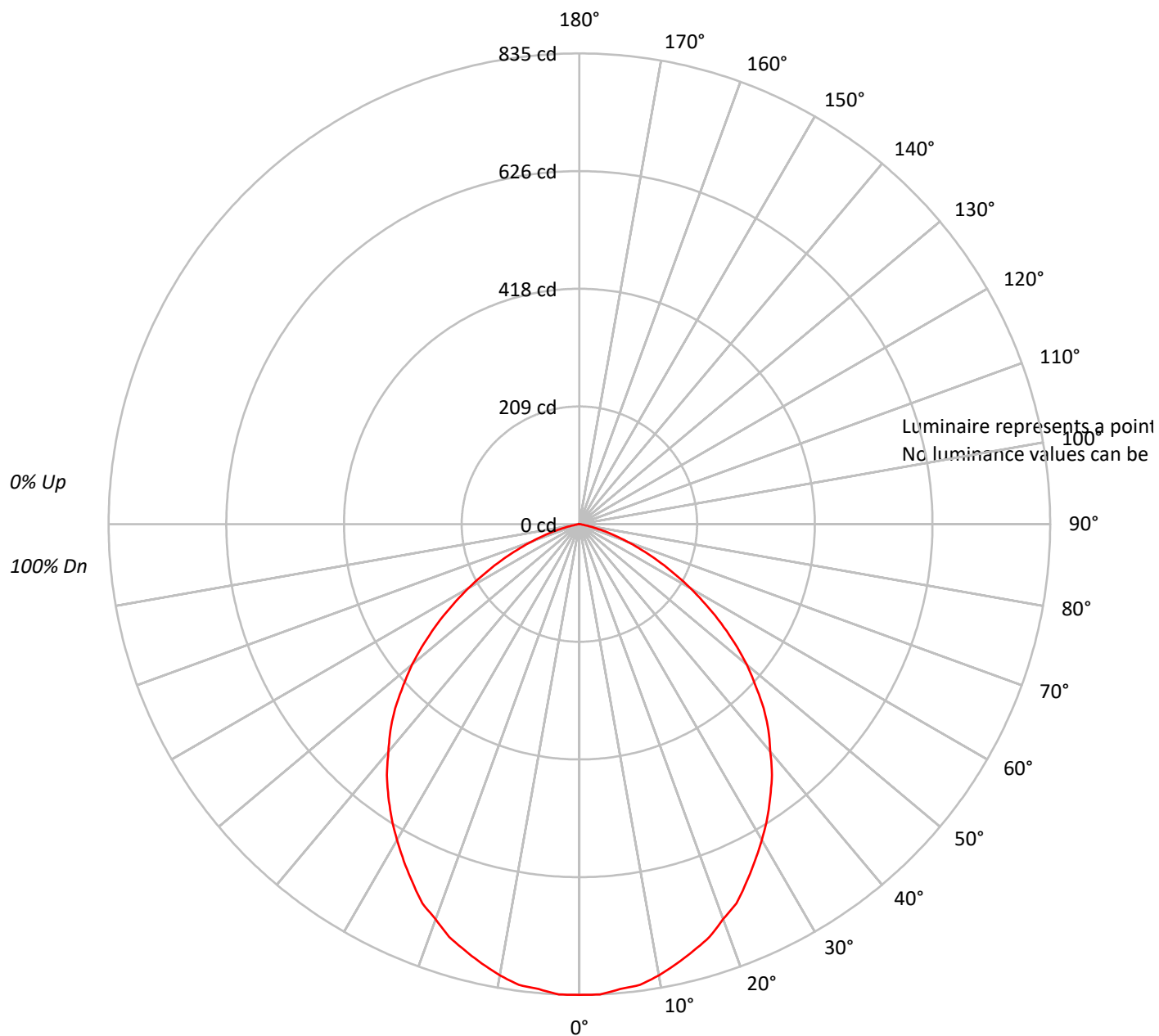
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	107	103	100	108	105	101	98		100	98	95		97	94	92		93	91	90
2	102	95	89	84	99	93	88	83		90	85	81		86	83	79		83	80	78
3	94	85	77	72	92	83	76	71		80	74	70		77	73	69		75	71	67
4	87	76	68	62	84	74	67	61		72	66	61		70	64	60		68	63	59
5	80	68	60	54	78	67	59	54		65	58	53		63	57	53		61	56	52
6	74	62	54	48	72	61	53	47		59	52	47		58	51	47		56	51	46
7	69	56	48	42	67	56	48	42		54	47	42		53	46	42		51	46	41
8	64	52	44	38	63	51	43	38		50	43	38		48	42	38		47	42	37
9	60	48	40	35	59	47	40	34		46	39	34		45	39	34		44	38	34
10	57	44	36	31	55	43	36	31		43	36	31		42	35	31		41	35	31

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.7	4.3
10°-20°	220.8	12.1
20°-30°	322.5	17.7
30°-40°	368.9	20.3
40°-50°	354.5	19.5
50°-60°	273.8	15.1
60°-70°	152.8	8.4
70°-80°	44.5	2.4
80°-90°	1.9	0.1
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°	622.1	34.2
0°-40°	990.9	54.5
0°-60°	1619.2	89.0
0°-90°	1818.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1818.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	835	
5°	828	79
15°	783	221
25°	701	323
35°	590	369
45°	462	355
55°	307	274
65°	153	153
75°	39	44
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	835.1
2.5°	835.1
5°	828.0
7.5°	824.5
10°	812.7
12.5°	798.6
15°	783.3
17.5°	768.0
20°	745.7
22.5°	728.1
25°	701.0
27.5°	674.0
30°	646.9
32.5°	619.8
35°	590.4
37.5°	561.0
40°	526.9
42.5°	496.3
45°	462.2
47.5°	423.4
50°	387.0
52.5°	347.0
55°	307.0
57.5°	265.8
60°	227.0
62.5°	188.2
65°	152.9
67.5°	120.0
70°	89.4
72.5°	62.3
75°	38.8
77.5°	20.0
80°	7.1
82.5°	2.4
85°	1.2
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)