

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: P205030

Luminaire Tested: **LD6B50D010TE EU6B30508050 6LBCSMMS1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205030
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: LD6B50D010TE EU6B30508050 6LBCSMMS1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE METALLIC SILVER TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5691.2 lumens
Efficiency: N/A
Efficacy: 96.8 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

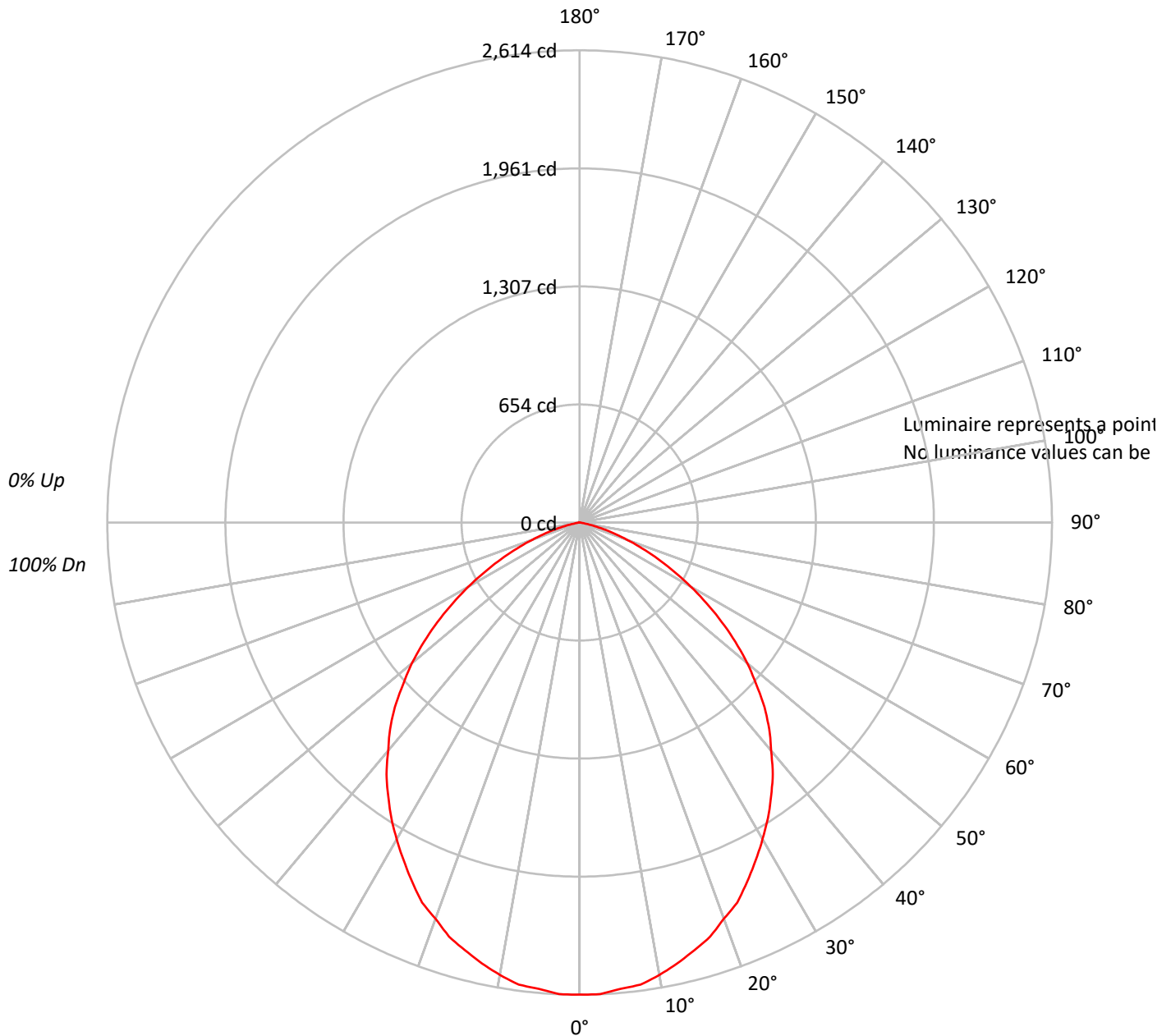
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	246.3	4.3
10°-20°	691.1	12.1
20°-30°	1009.4	17.7
30°-40°	1154.6	20.3
40°-50°	1109.6	19.5
50°-60°	856.8	15.1
60°-70°	478.2	8.4
70°-80°	139.2	2.4
80°-90°	6.0	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°	1946.8	34.2
0°-40°	3101.4	54.5
0°-60°	5067.8	89.0
0°-90°	5691.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5691.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2614	
5°	2591	246
15°	2452	691
25°	2194	1009
35°	1848	1155
45°	1447	1110
55°	961	857
65°	478	478
75°	122	139
85°	4	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2613.5
2.5°	2613.5
5°	2591.4
7.5°	2580.4
10°	2543.6
12.5°	2499.4
15°	2451.6
17.5°	2403.7
20°	2333.8
22.5°	2278.6
25°	2193.9
27.5°	2109.2
30°	2024.6
32.5°	1939.9
35°	1847.9
37.5°	1755.9
40°	1649.1
42.5°	1553.4
45°	1446.6
47.5°	1325.2
50°	1211.1
52.5°	1085.9
55°	960.7
57.5°	831.9
60°	710.4
62.5°	589.0
65°	478.5
67.5°	375.5
70°	279.8
72.5°	195.1
75°	121.5
77.5°	62.6
80°	22.1
82.5°	7.4
85°	3.7
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)