

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: P205032

Luminaire Tested: **LD6B50D010TE EU6B30509027 6LBCSMMS1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205032
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 EU6B30509027 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: 4515.5 lumens
Efficiency: N/A
Efficacy: 76.8 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

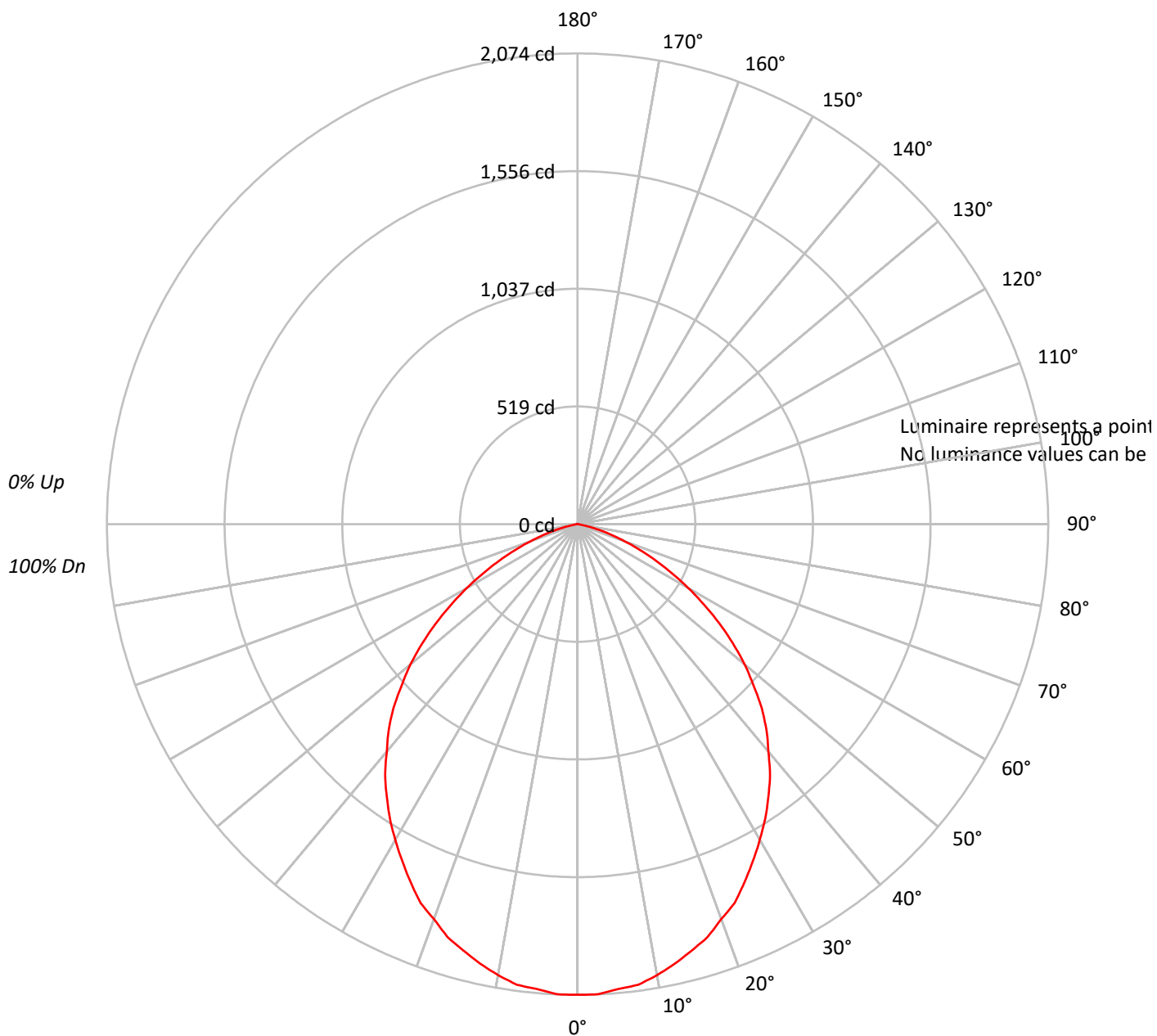
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





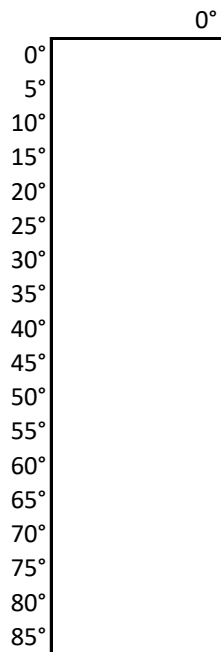
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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°	195.4	4.3
10°-20°	548.3	12.1
20°-30°	800.9	17.7
30°-40°	916.0	20.3
40°-50°	880.4	19.5
50°-60°	679.8	15.1
60°-70°	379.4	8.4
70°-80°	110.4	2.4
80°-90°	4.7	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°	1544.6	34.2
0°-40°	2460.6	54.5
0°-60°	4020.8	89.0
0°-90°	4515.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4515.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2074	
5°	2056	195
15°	1945	548
25°	1741	801
35°	1466	916
45°	1148	880
55°	762	680
65°	380	379
75°	96	110
85°	3	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2073.6
2.5°	2073.6
5°	2056.1
7.5°	2047.3
10°	2018.1
12.5°	1983.1
15°	1945.1
17.5°	1907.1
20°	1851.6
22.5°	1807.8
25°	1740.7
27.5°	1673.5
30°	1606.3
32.5°	1539.1
35°	1466.1
37.5°	1393.1
40°	1308.4
42.5°	1232.5
45°	1147.8
47.5°	1051.4
50°	960.9
52.5°	861.6
55°	762.3
57.5°	660.1
60°	563.7
62.5°	467.3
65°	379.7
67.5°	297.9
70°	222.0
72.5°	154.8
75°	96.4
77.5°	49.6
80°	17.5
82.5°	5.8
85°	2.9
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)