

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: P205031

Luminaire Tested: **LD6B50D010TE EU6B30509024 6LBCSMMS1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205031
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 EU6B30509024 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: 3972.5 lumens
Efficiency: N/A
Efficacy: 67.6 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

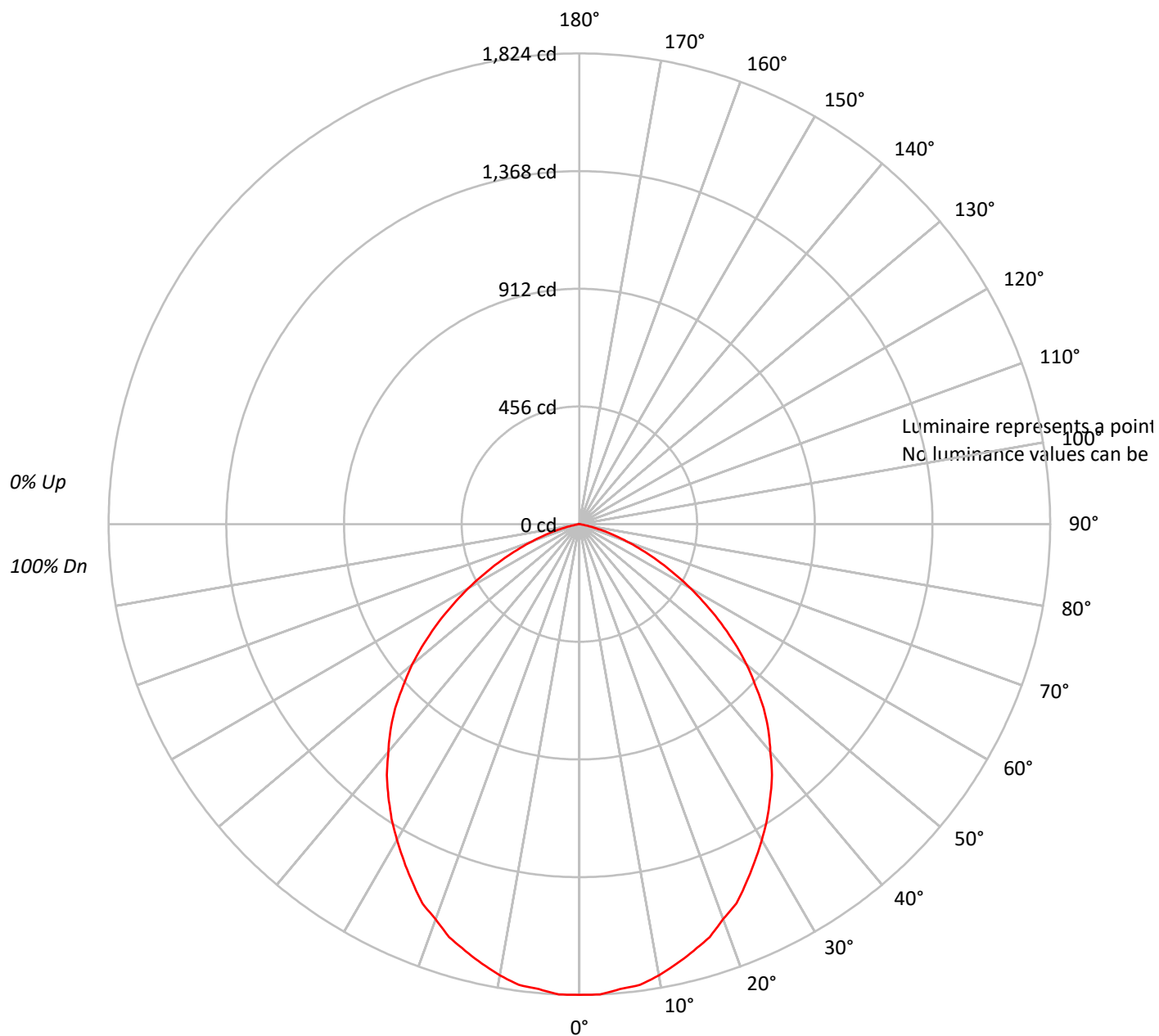
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot

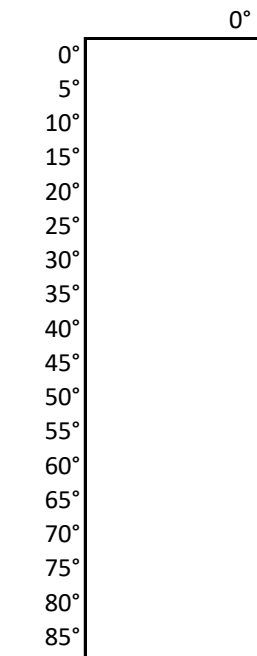


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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		0			
RCR																						
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102	100
1	111	107	103	100		108	105	101	98		100	98	95		97	94	92		93	91	90	88
2	102	95	89	84		99	93	88	83		90	85	81		86	83	79		83	80	78	76
3	94	85	77	72		92	83	76	71		80	74	70		77	73	69		75	71	67	65
4	87	76	68	62		84	74	67	61		72	66	61		70	64	60		68	63	59	57
5	80	68	60	54		78	67	59	54		65	58	53		63	57	53		61	56	52	50
6	74	62	54	48		72	61	53	47		59	52	47		58	51	47		56	51	46	44
7	69	56	48	42		67	56	48	42		54	47	42		53	46	42		51	46	41	40
8	64	52	44	38		63	51	43	38		50	43	38		48	42	38		47	42	37	36
9	60	48	40	35		59	47	40	34		46	39	34		45	39	34		44	38	34	32
10	57	44	36	31		55	43	36	31		43	36	31		42	35	31		41	35	31	29

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.9	4.3
10°-20°	482.4	12.1
20°-30°	704.6	17.7
30°-40°	805.9	20.3
40°-50°	774.5	19.5
50°-60°	598.1	15.1
60°-70°	333.8	8.4
70°-80°	97.2	2.4
80°-90°	4.2	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°	1358.9	34.2
0°-40°	2164.8	54.5
0°-60°	3537.3	89.0
0°-90°	3972.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3972.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1824	
5°	1809	172
15°	1711	482
25°	1531	705
35°	1290	806
45°	1010	775
55°	671	598
65°	334	334
75°	85	97
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1824.3
2.5°	1824.3
5°	1808.8
7.5°	1801.1
10°	1775.4
12.5°	1744.6
15°	1711.2
17.5°	1677.8
20°	1629.0
22.5°	1590.4
25°	1531.3
27.5°	1472.2
30°	1413.2
32.5°	1354.1
35°	1289.8
37.5°	1225.6
40°	1151.1
42.5°	1084.3
45°	1009.8
47.5°	925.0
50°	845.3
52.5°	758.0
55°	670.6
57.5°	580.7
60°	495.9
62.5°	411.1
65°	334.0
67.5°	262.1
70°	195.3
72.5°	136.2
75°	84.8
77.5°	43.7
80°	15.4
82.5°	5.1
85°	2.6
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)