

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: P204120

Luminaire Tested: **LD6B60D010TE EU6B60709040 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204120
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: LD6B60D010TE EU6B60709040 6LBNMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3740.3 lumens
Efficiency: N/A
Efficacy: 59.9 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

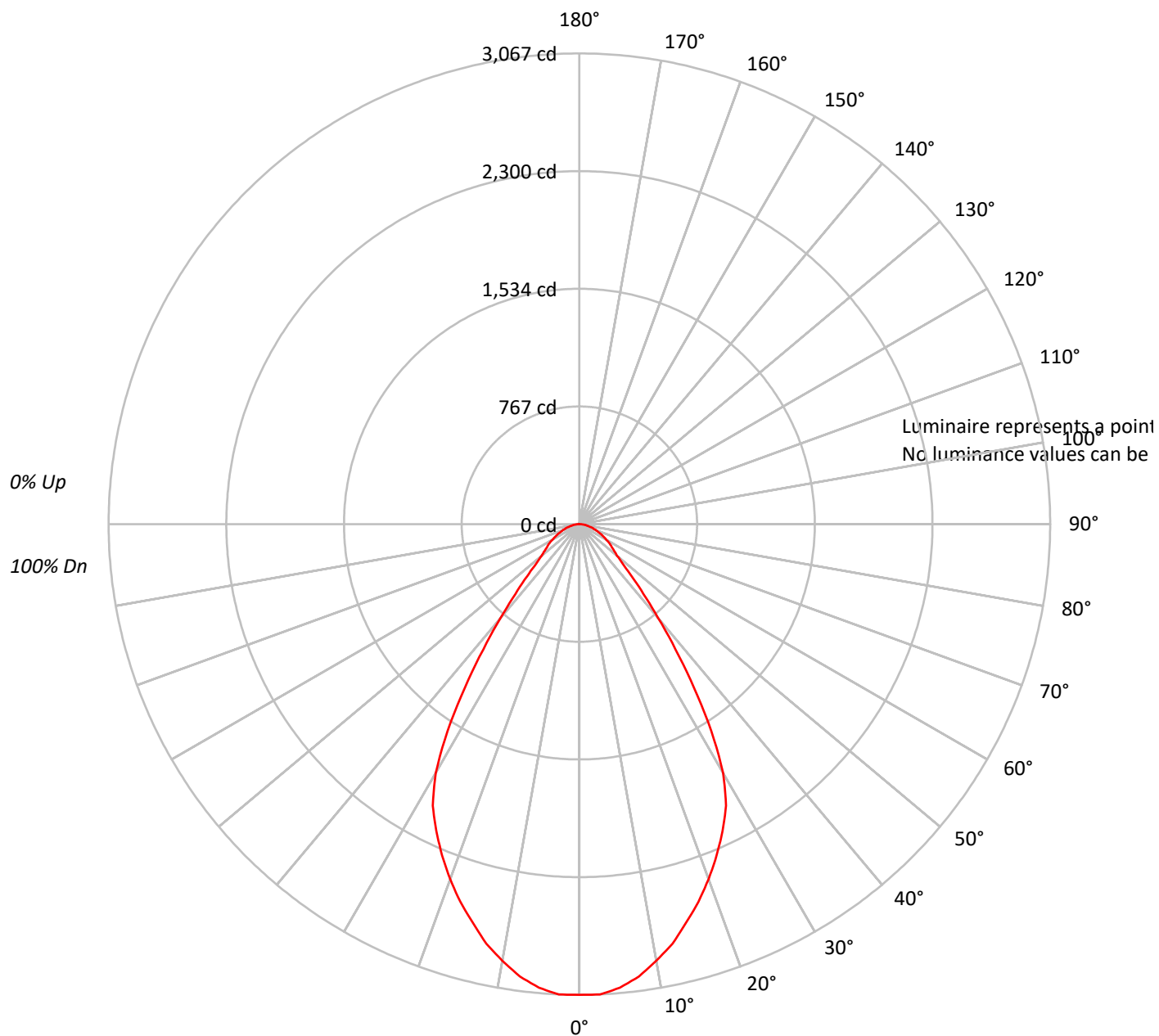
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





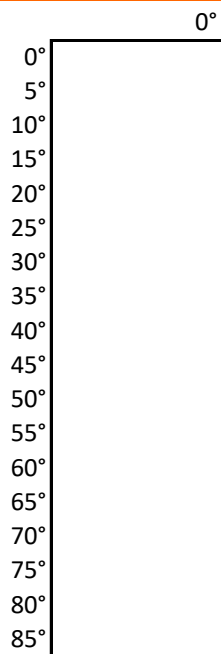
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	112	108	105	103	109	106	103	101		102	100	98		98	97	95		95	93	92
2	105	99	94	90	102	97	92	89		94	90	87		91	87	85		88	85	83
3	98	90	84	79	96	89	83	79		86	81	77		84	80	76		81	78	75
4	92	83	76	71	90	82	76	71		80	74	70		77	73	69		75	71	68
5	87	77	70	65	85	76	69	64		74	68	64		72	67	63		70	66	62
6	81	71	64	59	80	70	63	59		68	63	58		67	62	58		66	61	57
7	77	66	59	54	75	65	59	54		64	58	54		63	57	53		61	57	53
8	72	61	55	50	71	61	54	50		60	54	49		59	53	49		58	53	49
9	69	58	51	46	67	57	51	46		56	50	46		55	50	46		54	49	46
10	65	54	47	43	64	54	47	43		53	47	43		52	46	43		51	46	43

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.8	7.6
10°-20°	755.0	20.2
20°-30°	1008.0	27.0
30°-40°	813.2	21.7
40°-50°	389.7	10.4
50°-60°	231.0	6.2
60°-70°	153.6	4.1
70°-80°	82.3	2.2
80°-90°	22.6	0.6
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°	2047.8	54.8
0°-40°	2861.1	76.5
0°-60°	3481.8	93.1
0°-90°	3740.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3740.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3067	
5°	3032	285
15°	2687	755
25°	2206	1008
35°	1302	813
45°	482	390
55°	256	231
65°	155	154
75°	77	82
85°	18	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3067.4
2.5°	3067.4
5°	3031.8
7.5°	2972.3
10°	2889.1
12.5°	2799.9
15°	2687.0
17.5°	2580.0
20°	2461.1
22.5°	2336.3
25°	2205.5
27.5°	2068.7
30°	1872.6
32.5°	1599.1
35°	1301.9
37.5°	1028.4
40°	796.6
42.5°	618.2
45°	481.5
47.5°	380.5
50°	321.0
52.5°	285.3
55°	255.6
57.5°	231.8
60°	202.1
62.5°	178.3
65°	154.6
67.5°	130.8
70°	112.9
72.5°	95.1
75°	77.3
77.5°	59.4
80°	47.6
82.5°	35.7
85°	17.8
87.5°	5.9
90°	0.0



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— 0°-180°







(END OF REPORT)