

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: P202681

Luminaire Tested: **LD6B60D010TE EU6B60709730 6LBMWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202681
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 EU6B60709730 6LBMWMH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH WARM HAZE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3497.5 lumens
Efficiency: N/A
Efficacy: 56.0 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.89
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

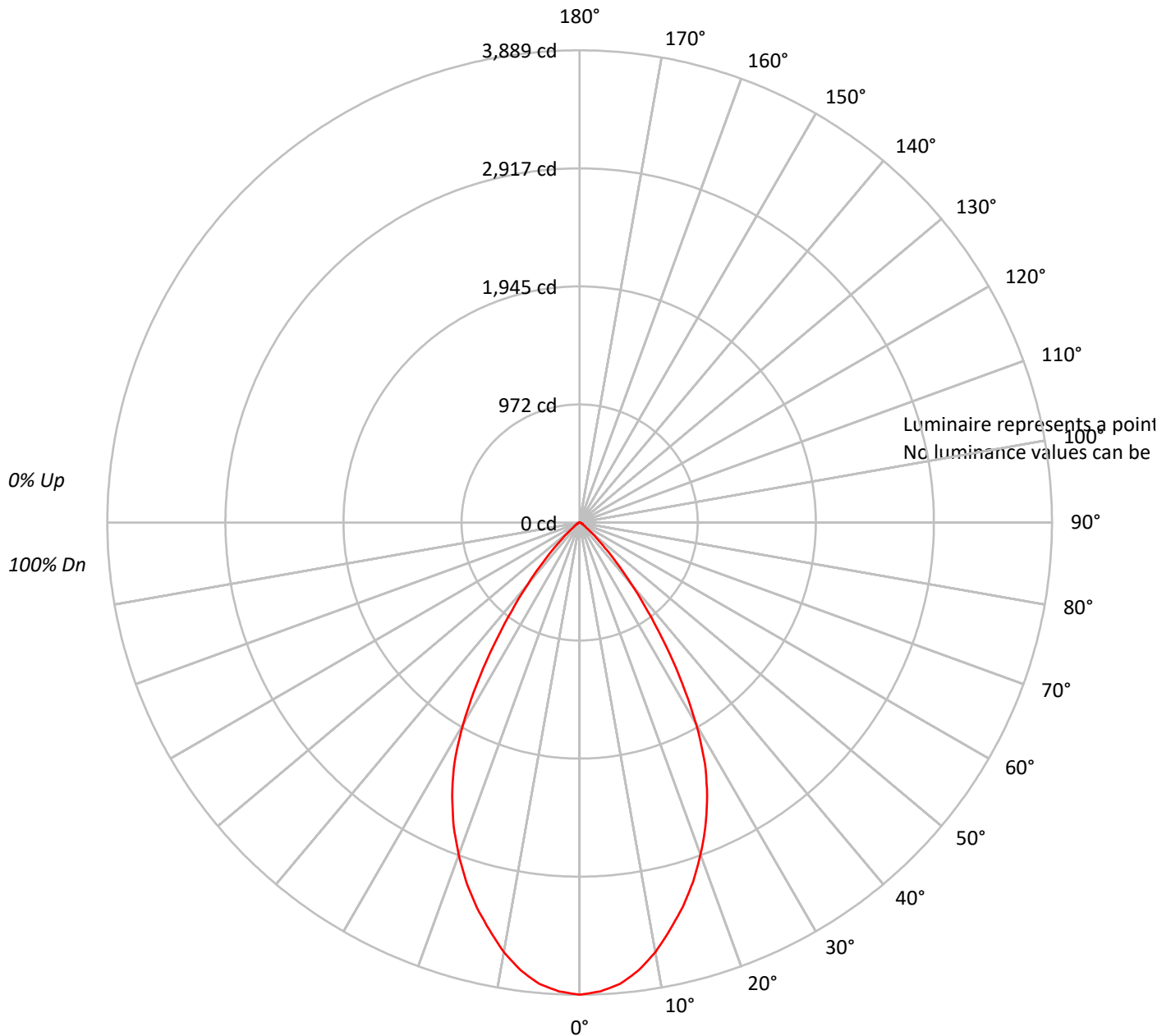
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					10
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			100
1	113	111	108	106		111	108	106	104		104	103	101			101	99	98			93
2	108	103	99	95		105	101	97	94		98	95	92			95	92	90			86
3	102	95	90	86		100	94	89	86		91	88	84			89	86	83			80
4	97	89	83	79		95	88	83	79		86	81	78			84	80	77			74
5	92	83	77	73		90	82	77	73		80	76	72			79	75	71			69
6	87	78	72	67		85	77	71	67		76	71	67			74	70	66			64
7	83	73	67	63		81	72	67	63		71	66	62			70	65	62			60
8	78	69	63	58		77	68	62	58		67	62	58			66	61	58			56
9	75	65	59	55		73	64	59	55		63	58	54			62	58	54			53
10	71	61	55	51		70	61	55	51		60	55	51			59	54	51			50

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.0	10.2
10°-20°	916.4	26.2
20°-30°	1125.6	32.2
30°-40°	771.8	22.1
40°-50°	248.1	7.1
50°-60°	50.3	1.4
60°-70°	19.8	0.6
70°-80°	7.4	0.2
80°-90°	1.2	0.0
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°	2398.9	68.6
0°-40°	3170.7	90.7
0°-60°	3469.1	99.2
0°-90°	3497.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3497.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3889	
5°	3815	357
15°	3278	916
25°	2483	1126
35°	1231	772
45°	294	248
55°	50	50
65°	21	20
75°	6	7
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3889.4
2.5°	3865.7
5°	3815.3
7.5°	3720.3
10°	3592.8
12.5°	3435.5
15°	3278.3
17.5°	3103.2
20°	2910.4
22.5°	2708.7
25°	2483.2
27.5°	2234.0
30°	1919.5
32.5°	1572.4
35°	1231.2
37.5°	919.7
40°	661.6
42.5°	450.9
45°	293.7
47.5°	181.0
50°	109.8
52.5°	68.2
55°	50.4
57.5°	38.6
60°	29.7
62.5°	23.7
65°	20.8
67.5°	14.8
70°	11.9
72.5°	8.9
75°	5.9
77.5°	5.9
80°	3.0
82.5°	3.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)