

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: P203705

Luminaire Tested: **LD6B60D010TE EU6B60709027 6LBNH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203705
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 EU6B60709027 6LBNH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3085.4 lumens
Efficiency: N/A
Efficacy: 49.4 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

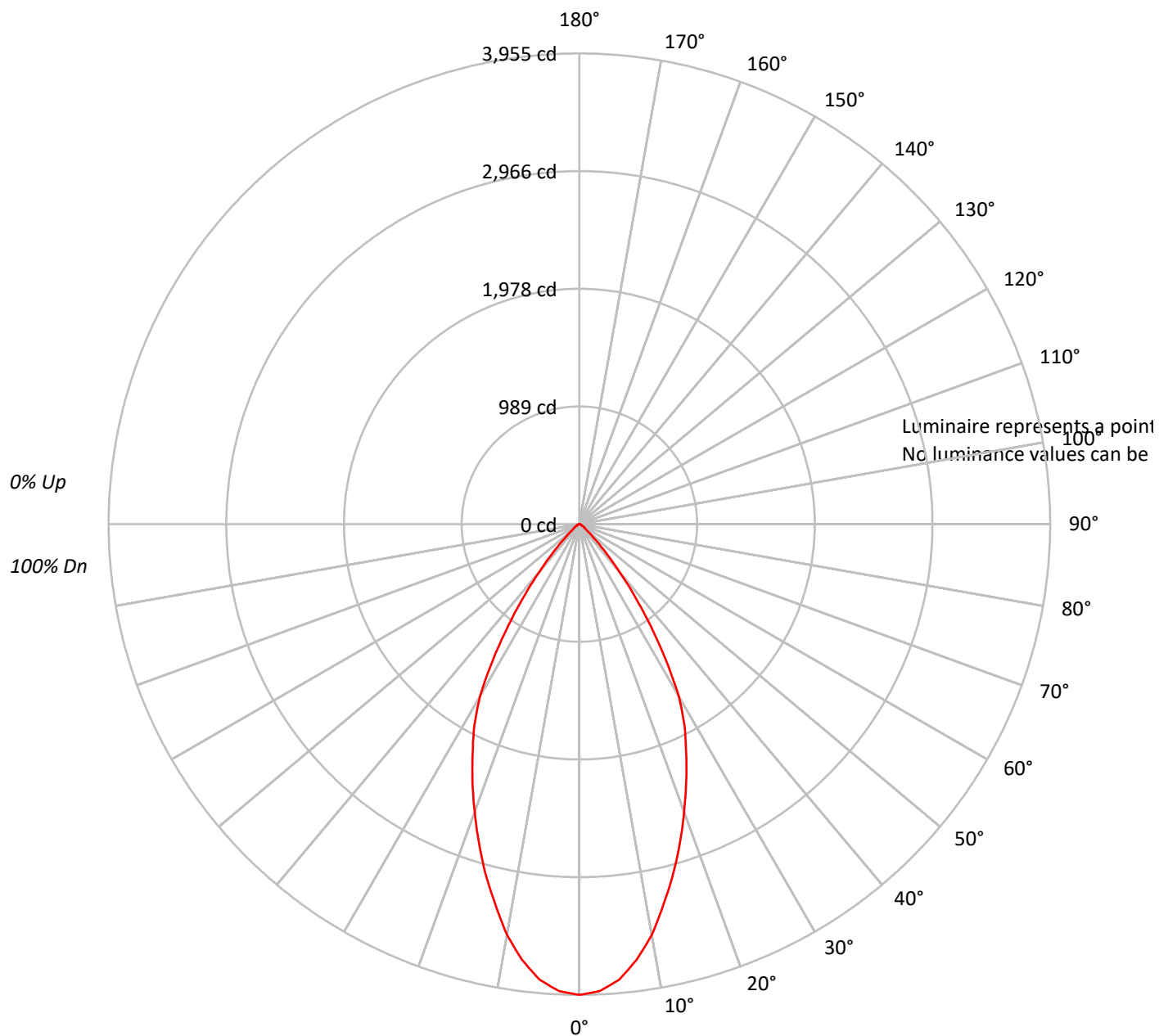
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			50
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	113	111	108	106	111	109	106	104		104	103	101			101	99	98			97
2	108	103	99	96	106	101	98	94		98	95	92			95	93	90			92
3	102	96	91	87	100	95	90	86		92	88	85			90	86	84			87
4	97	90	84	80	95	89	83	79		86	82	78			84	81	78			83
5	92	84	78	74	91	83	78	73		81	76	73			80	75	72			78
6	88	79	73	69	86	78	72	68		77	72	68			75	71	67			74
7	83	74	68	64	82	73	68	64		72	67	63			71	66	63			70
8	79	70	64	60	78	69	64	60		68	63	59			67	63	59			66
9	76	66	60	56	75	66	60	56		65	59	56			64	59	56			63
10	72	62	57	53	71	62	57	53		61	56	53			60	56	52			60

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.7	11.5
10°-20°	848.2	27.5
20°-30°	971.7	31.5
30°-40°	652.9	21.2
40°-50°	186.5	6.0
50°-60°	45.6	1.5
60°-70°	17.3	0.6
70°-80°	6.7	0.2
80°-90°	0.8	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°	2175.6	70.5
0°-40°	2828.4	91.7
0°-60°	3060.6	99.2
0°-90°	3085.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3085.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3955	
5°	3843	356
15°	3044	848
25°	2121	972
35°	1041	653
45°	214	187
55°	51	46
65°	17	17
75°	6	7
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3955.1
2.5°	3927.0
5°	3842.6
7.5°	3690.7
10°	3505.1
12.5°	3268.8
15°	3043.7
17.5°	2807.4
20°	2571.1
22.5°	2346.1
25°	2121.0
27.5°	1912.9
30°	1671.0
32.5°	1350.3
35°	1040.8
37.5°	759.5
40°	523.2
42.5°	343.2
45°	213.8
47.5°	129.4
50°	78.8
52.5°	61.9
55°	50.6
57.5°	39.4
60°	28.1
62.5°	22.5
65°	16.9
67.5°	11.3
70°	11.3
72.5°	5.6
75°	5.6
77.5°	5.6
80°	5.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)