

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: P203390

Luminaire Tested: **LD6B60D010TE EU6B60708027 6LBMWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203390
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 EU6B60708027 6LBMWH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH WHEAT TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4509.6 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

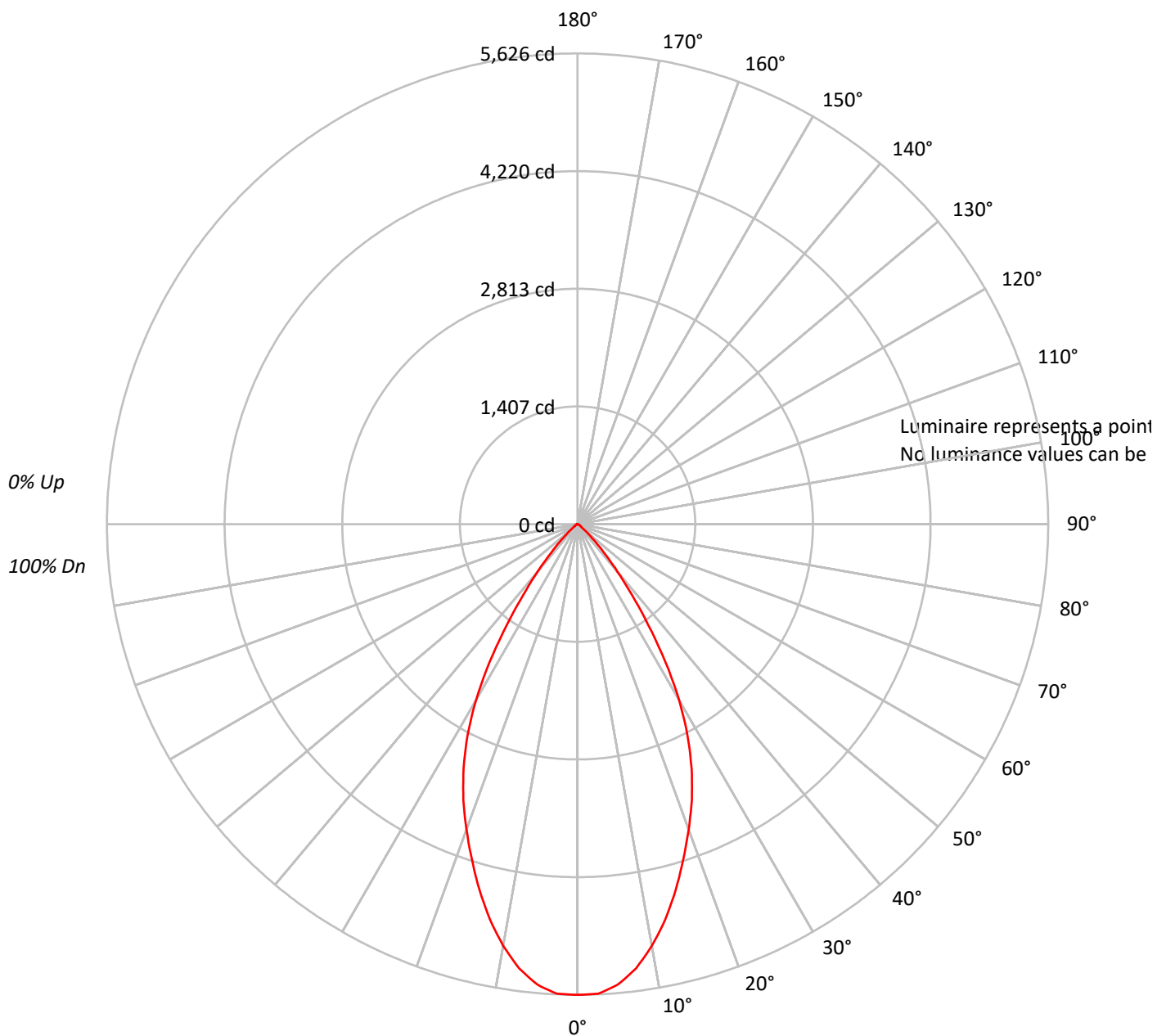
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





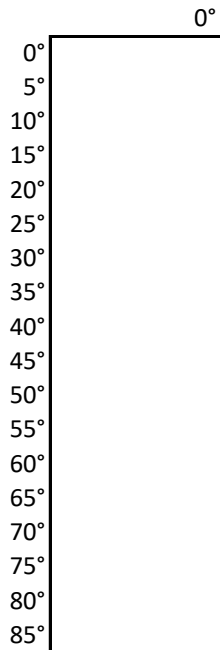
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	111	108	106		111	109	106	104		105	103	101		101	100	98		97	96	95
2	108	103	99	96		106	101	98	95		98	95	93		95	93	91		92	91	89
3	103	96	91	87		101	95	90	87		92	88	85		90	87	84		88	85	83
4	97	90	85	80		96	89	84	80		87	82	79		85	81	78		83	80	77
5	93	84	79	74		91	83	78	74		82	77	73		80	76	73		78	75	72
6	88	79	73	69		87	78	73	69		77	72	68		76	71	68		74	70	67
7	84	75	69	64		82	74	68	64		73	68	64		71	67	64		70	66	63
8	80	70	64	60		78	70	64	60		69	64	60		68	63	60		67	62	59
9	76	66	61	57		75	66	60	57		65	60	56		64	59	56		63	59	56
10	72	63	57	53		71	62	57	53		62	57	53		61	56	53		60	56	53

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	514.3	11.4
10°-20°	1262.6	28.0
20°-30°	1460.9	32.4
30°-40°	933.8	20.7
40°-50°	264.8	5.9
50°-60°	47.3	1.0
60°-70°	19.3	0.4
70°-80°	6.6	0.1
80°-90°	0.0	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°	3237.8	71.8
0°-40°	4171.6	92.5
0°-60°	4483.6	99.4
0°-90°	4509.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4509.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5626	
5°	5525	514
15°	4528	1263
25°	3224	1461
35°	1474	934
45°	307	265
55°	44	47
65°	19	19
75°	6	7
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5625.7
2.5°	5619.4
5°	5525.4
7.5°	5356.0
10°	5117.7
12.5°	4841.8
15°	4528.2
17.5°	4202.0
20°	3882.2
22.5°	3568.6
25°	3223.7
27.5°	2847.4
30°	2427.2
32.5°	1956.8
35°	1473.9
37.5°	1066.2
40°	740.1
42.5°	489.2
45°	307.3
47.5°	181.9
50°	106.6
52.5°	62.7
55°	43.9
57.5°	37.6
60°	31.4
62.5°	25.1
65°	18.8
67.5°	12.5
70°	12.5
72.5°	6.3
75°	6.3
77.5°	6.3
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)