

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: P205345

Luminaire Tested: **LD6B60D010TE EU6B60708040 6LBNLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205345
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 EU6B60708040 6LBNI1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH SPECULAR CLEAR TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4918.6 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.58
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

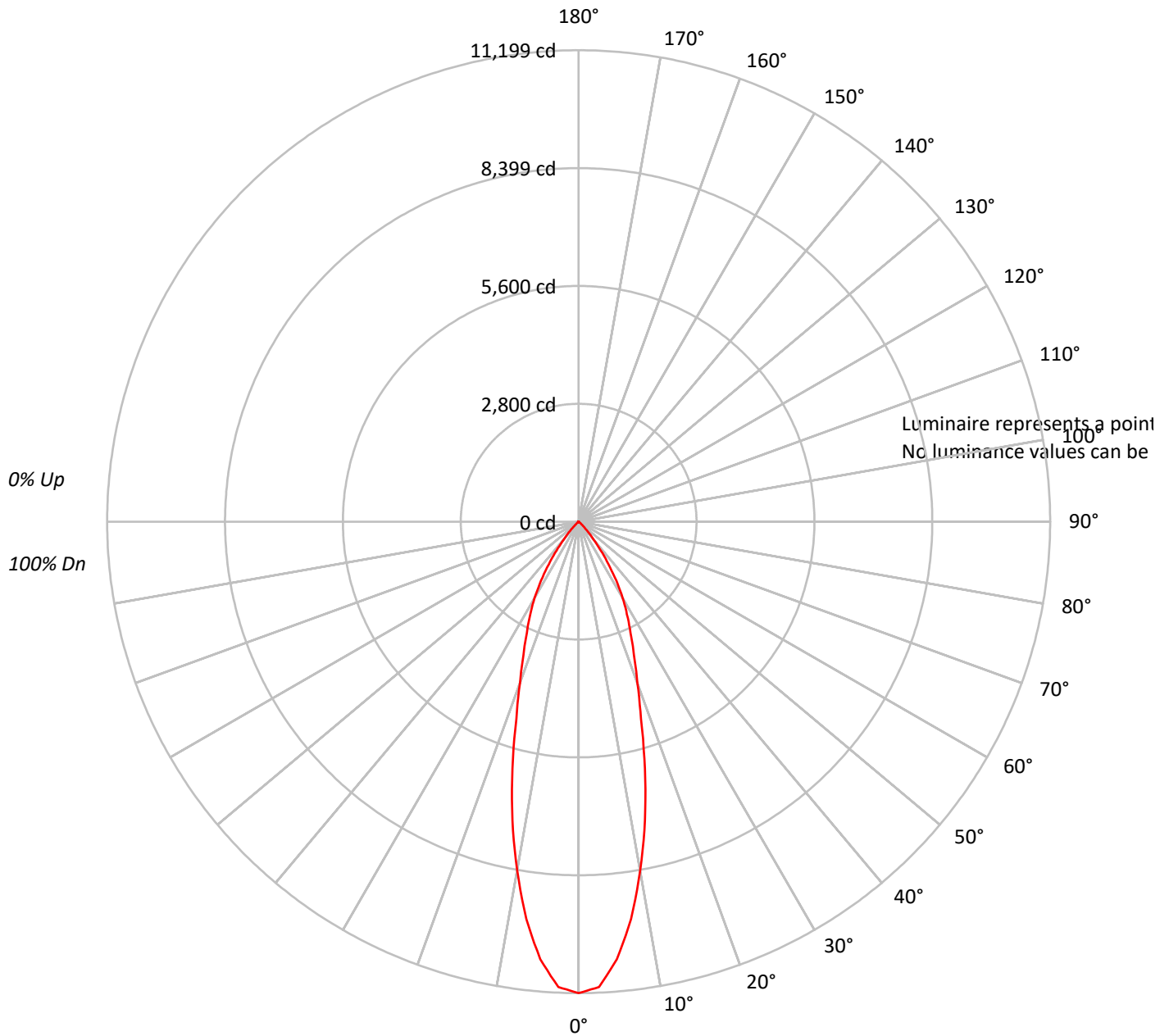
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





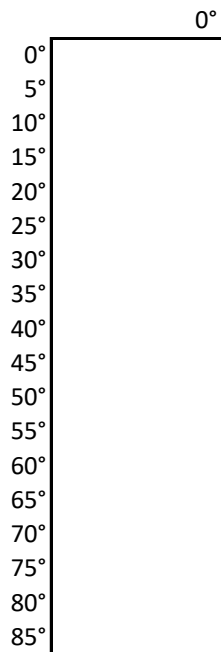
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	114	112	109	107		112	109	107	106		105	104	102			102	101	99			95
2	109	105	101	98		107	103	100	97		100	97	95			97	95	93			89
3	105	99	94	91		103	97	93	90		95	91	89			93	90	87			85
4	100	93	88	85		98	92	88	84		90	86	83			88	85	82			80
5	96	88	83	79		94	87	83	79		86	82	78			84	81	78			76
6	92	84	79	75		90	83	78	75		82	77	74			80	76	74			72
7	88	80	74	71		87	79	74	71		78	73	70			77	73	70			68
8	84	76	71	67		83	75	70	67		74	70	67			73	69	66			65
9	81	73	67	64		80	72	67	64		71	67	63			70	66	63			62
10	78	69	64	61		77	69	64	61		68	64	61			67	63	60			59

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	931.1	18.9
10°-20°	1671.2	34.0
20°-30°	1351.2	27.5
30°-40°	778.4	15.8
40°-50°	164.5	3.3
50°-60°	14.2	0.3
60°-70°	7.0	0.1
70°-80°	0.9	0.0
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°	3953.5	80.4
0°-40°	4731.9	96.2
0°-60°	4910.6	99.8
0°-90°	4918.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4918.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11199	
5°	10433	931
15°	6071	1671
25°	2915	1351
35°	1234	778
45°	177	165
55°	14	14
65°	7	7
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11198.6
2.5°	11063.9
5°	10432.7
7.5°	9524.9
10°	8411.4
12.5°	7269.5
15°	6071.0
17.5°	4914.9
20°	4070.9
22.5°	3425.5
25°	2914.9
27.5°	2482.3
30°	2092.2
32.5°	1659.6
35°	1234.0
37.5°	858.2
40°	560.3
42.5°	340.4
45°	177.3
47.5°	70.9
50°	21.3
52.5°	21.3
55°	14.2
57.5°	14.2
60°	7.1
62.5°	7.1
65°	7.1
67.5°	7.1
70°	7.1
72.5°	0.0
75°	0.0
77.5°	0.0
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)