

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: P204531

Luminaire Tested: **LD6B60D010TE EU6B60709035 6LBSB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204531
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 EU6B60709035 6LBSB1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SPECULAR BLACK TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4735.7 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.3
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

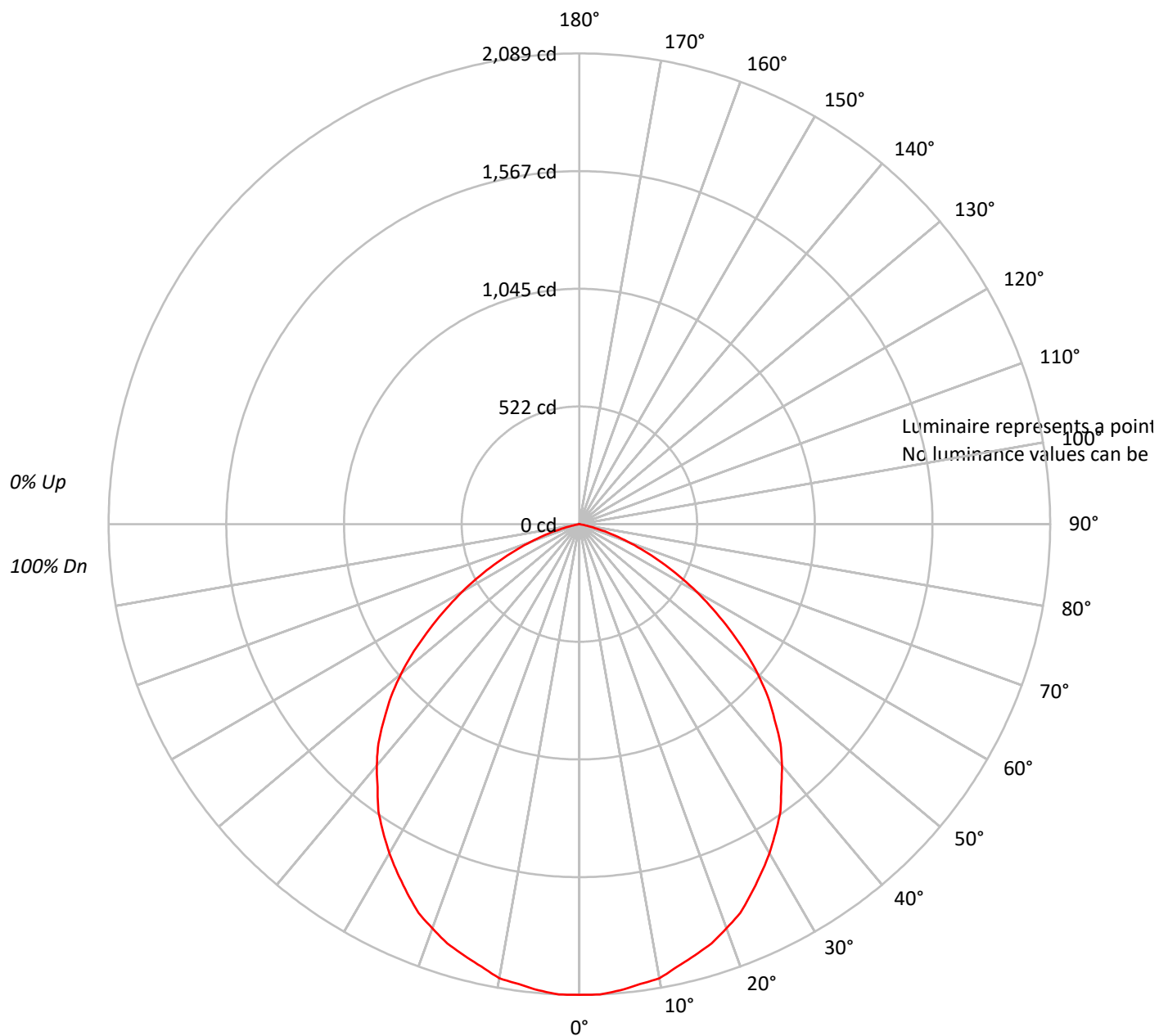
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	103	100	108	105	101	98		100	98	95		97	94	93		93	91	90
2	102	95	89	84	100	93	88	83		90	85	81		86	83	79		84	80	78
3	94	84	77	72	91	83	76	71		80	74	70		77	73	68		75	71	67
4	86	76	68	62	84	74	67	61		72	65	60		70	64	60		68	63	59
5	80	68	60	54	78	67	59	53		65	58	53		63	57	52		61	56	52
6	74	62	53	47	72	61	53	47		59	52	47		57	51	46		56	50	46
7	69	56	48	42	67	55	48	42		54	47	42		52	46	41		51	45	41
8	64	51	43	38	63	51	43	38		49	42	37		48	42	37		47	41	37
9	60	47	39	34	59	47	39	34		46	39	34		45	38	34		44	38	34
10	56	44	36	31	55	43	36	31		42	36	31		41	35	31		40	35	31

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.2	4.2
10°-20°	559.5	11.8
20°-30°	832.2	17.6
30°-40°	968.4	20.4
40°-50°	943.9	19.9
50°-60°	726.0	15.3
60°-70°	401.4	8.5
70°-80°	106.3	2.2
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°	1588.9	33.6
0°-40°	2557.3	54.0
0°-60°	4227.2	89.3
0°-90°	4735.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4735.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2089	
5°	2077	197
15°	1981	559
25°	1807	832
35°	1555	968
45°	1225	944
55°	810	726
65°	402	401
75°	90	106
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2089.1
2.5°	2089.1
5°	2077.1
7.5°	2059.1
10°	2047.1
12.5°	2011.0
15°	1981.0
17.5°	1951.0
20°	1909.0
22.5°	1867.0
25°	1806.9
27.5°	1746.9
30°	1686.9
32.5°	1620.8
35°	1554.8
37.5°	1470.8
40°	1398.7
42.5°	1320.7
45°	1224.6
47.5°	1134.6
50°	1032.5
52.5°	924.5
55°	810.4
57.5°	702.4
60°	600.3
62.5°	498.3
65°	402.2
67.5°	312.2
70°	228.1
72.5°	156.1
75°	90.0
77.5°	42.0
80°	6.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)