

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: P204430

Luminaire Tested: **LD6B60D010TE EU6B60709050 6LBSGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204430
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 EU6B60709050 6LBSGPH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH GRAPHITE HAZE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4973.0 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.26
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

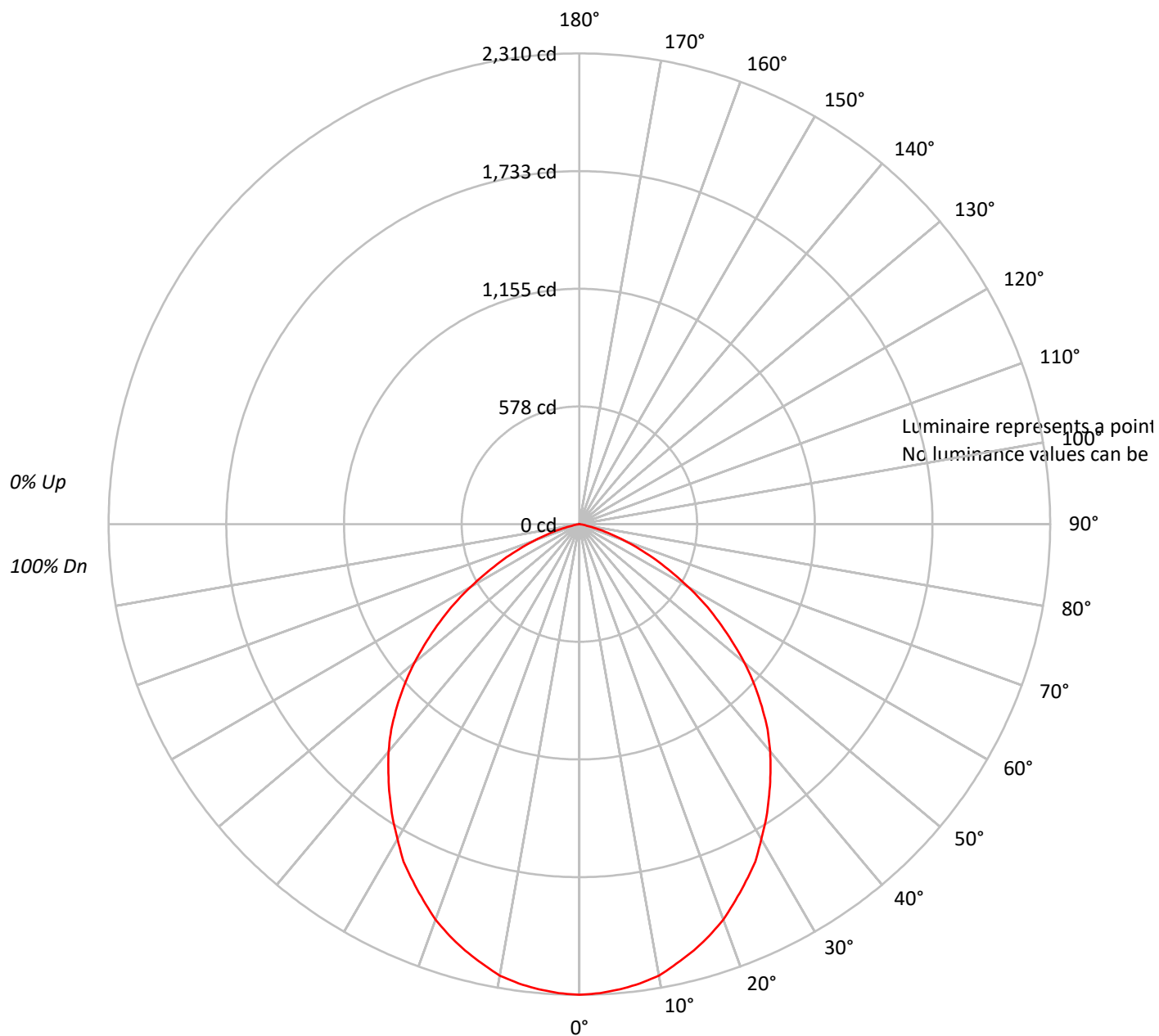
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204430

CATALOG NUMBER: LD6B60D010TE EU6B60709050 6LBSGPH1

Luminous Intensity Polar Plot





TEST NUMBER: P204430

CATALOG NUMBER: LD6B60D010TE EU6B60709050 6LBSGPH1

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	102	99		101	98	96		97	95	93		93	91	90
2	102	95	89	84	100	93	88	83		90	85	82		87	83	80		84	81	78
3	94	85	78	72	92	83	77	71		80	75	70		78	73	69		75	71	68
4	87	76	68	62	85	75	67	62		72	66	61		70	65	60		68	63	59
5	80	68	60	54	78	67	60	54		65	59	53		63	58	53		62	56	52
6	74	62	54	48	73	61	53	48		59	52	47		58	52	47		56	51	47
7	69	57	48	43	68	56	48	43		54	47	42		53	47	42		52	46	42
8	65	52	44	38	63	51	44	38		50	43	38		49	42	38		48	42	38
9	60	48	40	35	59	47	40	35		46	39	35		45	39	34		44	38	34
10	57	44	37	32	56	44	36	32		43	36	31		42	36	31		41	35	31

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204430

CATALOG NUMBER: LD6B60D010TE EU6B60709050 6LBSGPH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.5	4.4
10°-20°	610.4	12.3
20°-30°	890.3	17.9
30°-40°	1015.3	20.4
40°-50°	973.9	19.6
50°-60°	745.9	15.0
60°-70°	409.3	8.2
70°-80°	108.8	2.2
80°-90°	1.6	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°	1718.2	34.6
0°-40°	2733.5	55.0
0°-60°	4453.3	89.5
0°-90°	4973.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4973.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2310	
5°	2292	217
15°	2166	610
25°	1934	890
35°	1623	1015
45°	1265	974
55°	836	746
65°	412	409
75°	96	109
85°	0	2
90°	0	



TEST NUMBER: P204430

CATALOG NUMBER: LD6B60D010TE EU6B60709050 6LBSGPH1

CANDELA DISTRIBUTION (FULL):

0°	
0°	2309.7
2.5°	2303.8
5°	2291.8
7.5°	2273.9
10°	2250.0
12.5°	2208.3
15°	2166.5
17.5°	2118.7
20°	2065.0
22.5°	1999.4
25°	1933.7
27.5°	1868.1
30°	1784.5
32.5°	1706.9
35°	1623.4
37.5°	1539.8
40°	1456.3
42.5°	1366.7
45°	1265.3
47.5°	1163.8
50°	1056.4
52.5°	943.0
55°	835.6
57.5°	728.1
60°	614.7
62.5°	507.3
65°	411.8
67.5°	316.3
70°	232.8
72.5°	155.2
75°	95.5
77.5°	41.8
80°	11.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)