

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: P202972

Luminaire Tested: **LD6B50D010TE EU6B30509030 6LBWGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202972
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: LD6B50D010TE EU6B30509030 6LBWGPH1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTIONWITH GRAPHITE HAZE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3038.5 lumens
Efficiency: N/A
Efficacy: 51.7 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.11
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

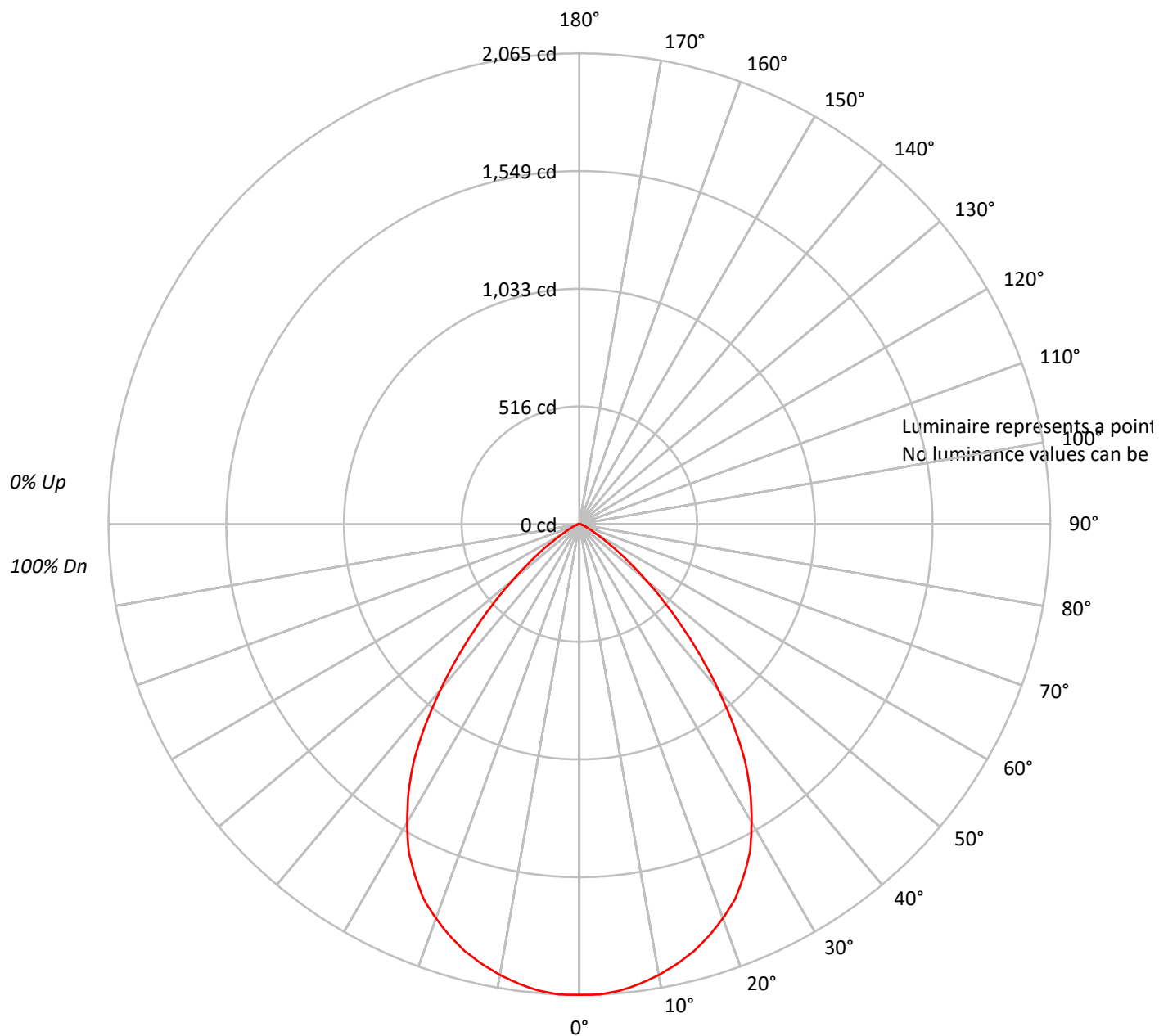
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	112	109	106	104		110	107	104	102		103	101	99			99	98	96			91
2	106	100	95	91		103	98	94	90		95	91	88			92	89	86			82
3	99	91	85	81		97	90	84	80		87	82	79			85	81	77			74
4	93	84	77	72		91	82	76	72		80	75	71			78	74	70			67
5	87	77	70	65		85	76	69	65		74	68	64			72	67	63			61
6	81	71	64	59		80	70	63	59		68	62	58			67	62	58			56
7	76	65	58	53		75	65	58	53		63	57	53			62	57	53			51
8	72	61	54	49		70	60	53	49		59	53	49			58	52	48			47
9	68	57	50	45		66	56	49	45		55	49	45			54	48	45			43
10	64	53	46	42		63	52	46	42		51	45	41			51	45	41			40

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.6	6.4
10°-20°	545.6	18.0
20°-30°	780.6	25.7
30°-40°	778.0	25.6
40°-50°	495.5	16.3
50°-60°	182.7	6.0
60°-70°	45.7	1.5
70°-80°	13.8	0.5
80°-90°	2.1	0.1
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°	1520.7	50.0
0°-40°	2298.7	75.7
0°-60°	2976.9	98.0
0°-90°	3038.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3038.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2065	
5°	2055	195
15°	1940	546
25°	1704	781
35°	1265	778
45°	638	496
55°	193	183
65°	42	46
75°	10	14
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2065.2
2.5°	2065.2
5°	2054.7
7.5°	2033.8
10°	2007.7
12.5°	1976.3
15°	1939.7
17.5°	1892.6
20°	1840.3
22.5°	1782.8
25°	1704.4
27.5°	1620.8
30°	1511.0
32.5°	1395.9
35°	1265.2
37.5°	1108.4
40°	946.3
42.5°	789.5
45°	637.8
47.5°	501.9
50°	376.4
52.5°	277.1
55°	193.4
57.5°	125.5
60°	83.7
62.5°	57.5
65°	41.8
67.5°	31.4
70°	26.1
72.5°	15.7
75°	10.5
77.5°	10.5
80°	5.2
82.5°	5.2
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)