

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: P202969

Luminaire Tested: **LD6B50D010TE EU6B30508050 6LBWGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202969
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 EU6B30508050 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: 3683.3 lumens
Efficiency: N/A
Efficacy: 62.7 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

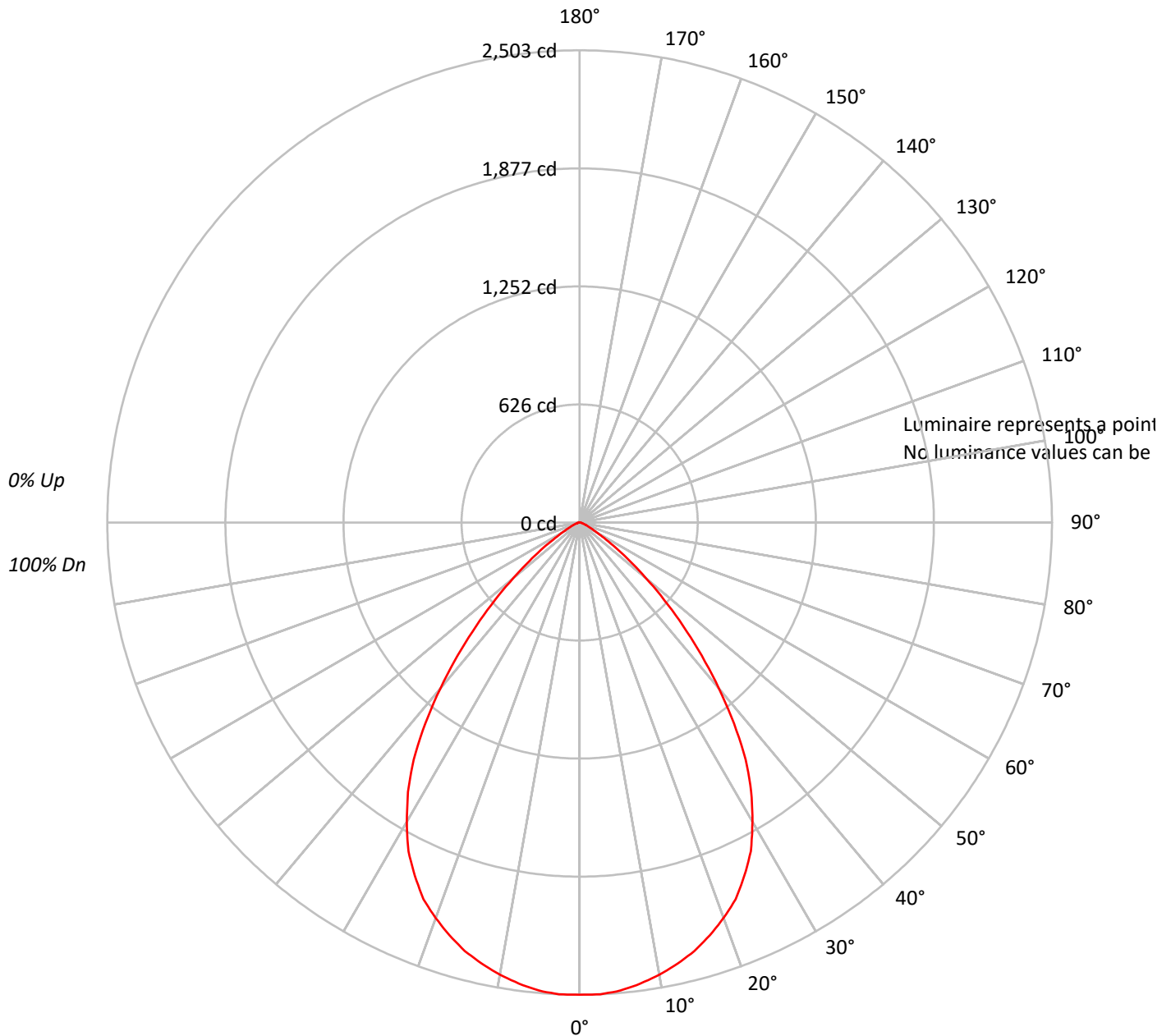
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	109	106	104		110	107	104	102		103	101	99		99	98	96		96	94	93
2	106	100	95	91		103	98	94	90		95	91	88		92	89	86		89	86	84
3	99	91	85	81		97	90	84	80		87	82	79		85	81	77		82	79	76
4	93	84	77	72		91	82	76	72		80	75	71		78	74	70		76	72	69
5	87	77	70	65		85	76	69	65		74	68	64		72	67	63		71	66	63
6	81	71	64	59		80	70	63	59		68	62	58		67	62	58		65	61	57
7	76	65	58	53		75	65	58	53		63	57	53		62	57	53		61	56	52
8	72	61	54	49		70	60	53	49		59	53	49		58	52	48		57	52	48
9	68	57	50	45		66	56	49	45		55	49	45		54	48	45		53	48	44
10	64	53	46	42		63	52	46	42		51	45	41		51	45	41		50	45	41

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.8	6.4
10°-20°	661.4	18.0
20°-30°	946.2	25.7
30°-40°	943.1	25.6
40°-50°	600.7	16.3
50°-60°	221.5	6.0
60°-70°	55.4	1.5
70°-80°	16.7	0.5
80°-90°	2.6	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°	1843.4	50.0
0°-40°	2786.5	75.7
0°-60°	3608.7	98.0
0°-90°	3683.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3683.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2503	
5°	2491	236
15°	2351	661
25°	2066	946
35°	1534	943
45°	773	601
55°	234	221
65°	51	55
75°	13	17
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2503.4
2.5°	2503.4
5°	2490.7
7.5°	2465.4
10°	2433.7
12.5°	2395.7
15°	2351.3
17.5°	2294.3
20°	2230.9
22.5°	2161.2
25°	2066.1
27.5°	1964.7
30°	1831.6
32.5°	1692.2
35°	1533.7
37.5°	1343.6
40°	1147.1
42.5°	957.0
45°	773.2
47.5°	608.4
50°	456.3
52.5°	335.9
55°	234.5
57.5°	152.1
60°	101.4
62.5°	69.7
65°	50.7
67.5°	38.0
70°	31.7
72.5°	19.0
75°	12.7
77.5°	12.7
80°	6.3
82.5°	6.3
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)