

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: P204284

Luminaire Tested: **LD6B30D010 EU6B30509027 6LBSWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204284
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: LD6B30D010 EU6B30509027 6LBSWH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH WHEAT TRIM
WATTAGE D010TR-27.4 W DE010-27.95 W D5LT-27.65 W DMX-27.73 W DL2-29.56 W
DL3-29.67 W DLE-29.73 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2541.7 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 1.08
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

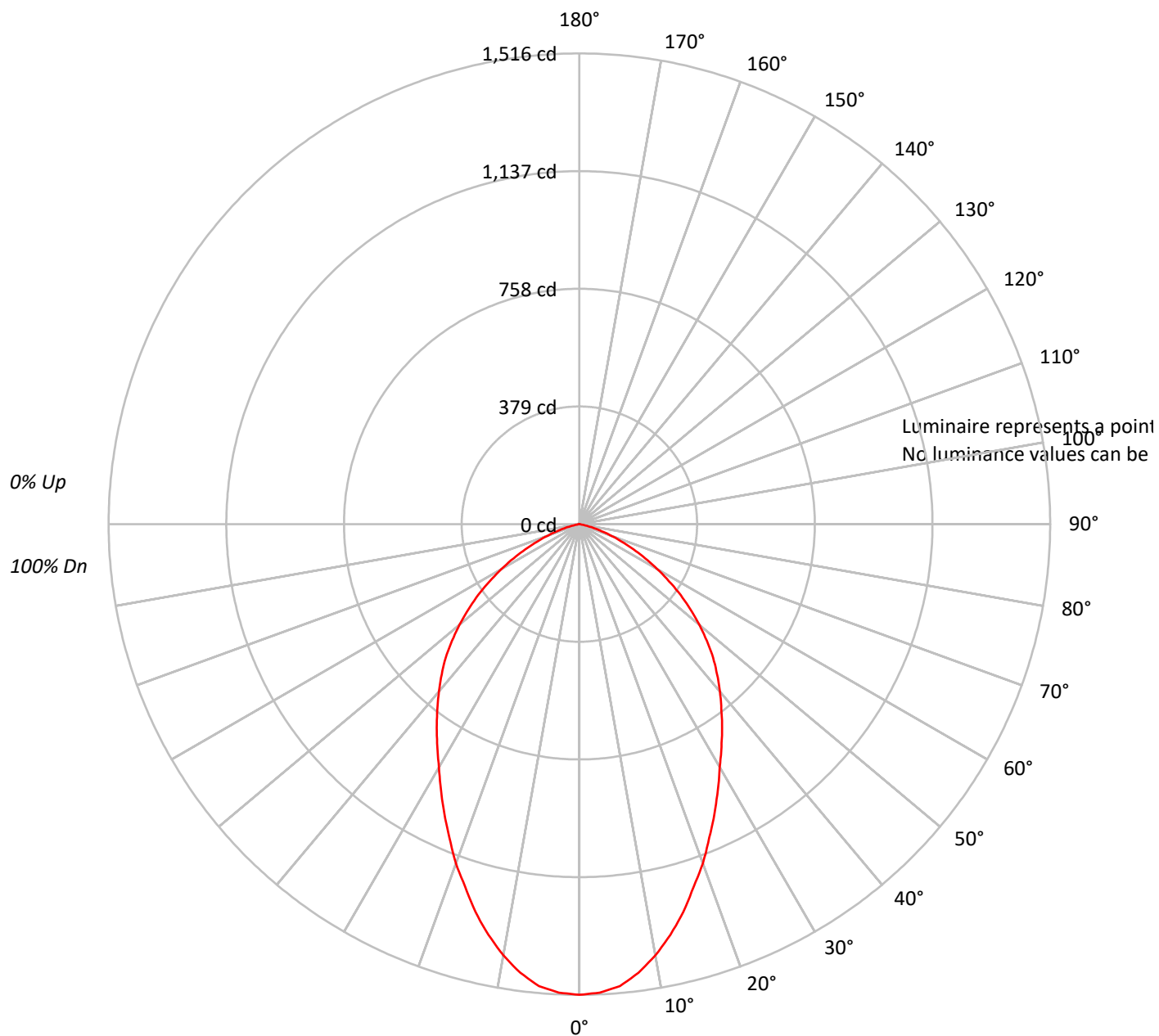
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	111	107	104	101	108	105	102	99		101	98	96			97	95	93			94
2	103	96	90	85	100	94	89	84		91	86	83			87	84	81			85
3	95	86	79	73	93	84	78	73		82	76	72			79	74	70			76
4	88	77	70	64	86	76	69	63		74	68	63			72	66	62			69
5	81	70	62	56	79	69	62	56		67	60	55			65	59	55			63
6	76	64	56	50	74	63	55	50		61	54	49			60	54	49			58
7	71	58	51	45	69	58	50	45		56	49	45			55	49	44			54
8	66	54	46	41	65	53	46	41		52	45	40			51	45	40			50
9	62	50	42	37	61	49	42	37		48	41	37			47	41	37			46
10	58	46	39	34	57	46	39	34		45	38	34			44	38	34			43

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.8	5.5
10°-20°	361.9	14.2
20°-30°	473.3	18.6
30°-40°	501.2	19.7
40°-50°	467.5	18.4
50°-60°	354.0	13.9
60°-70°	191.8	7.5
70°-80°	51.5	2.0
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°	975.0	38.4
0°-40°	1476.2	58.1
0°-60°	2297.7	90.4
0°-90°	2541.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2541.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1516	
5°	1494	140
15°	1293	362
25°	1029	473
35°	801	501
45°	609	467
55°	398	354
65°	192	192
75°	44	51
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1515.9
2.5°	1510.3
5°	1493.6
7.5°	1457.5
10°	1410.2
12.5°	1354.5
15°	1293.3
17.5°	1223.8
20°	1162.6
22.5°	1093.1
25°	1029.1
27.5°	965.1
30°	904.0
32.5°	851.1
35°	801.0
37.5°	751.0
40°	703.7
42.5°	656.4
45°	609.1
47.5°	556.3
50°	503.4
52.5°	450.6
55°	397.7
57.5°	342.1
60°	289.3
62.5°	239.2
65°	191.9
67.5°	147.4
70°	108.5
72.5°	75.1
75°	44.5
77.5°	19.5
80°	5.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)