

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: P204931

Luminaire Tested: **LD6B50D010TE EU6B30509030 6LBCSMB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204931
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 6LBCSMB1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE BLACK TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4236.3 lumens
Efficiency: N/A
Efficacy: 72.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

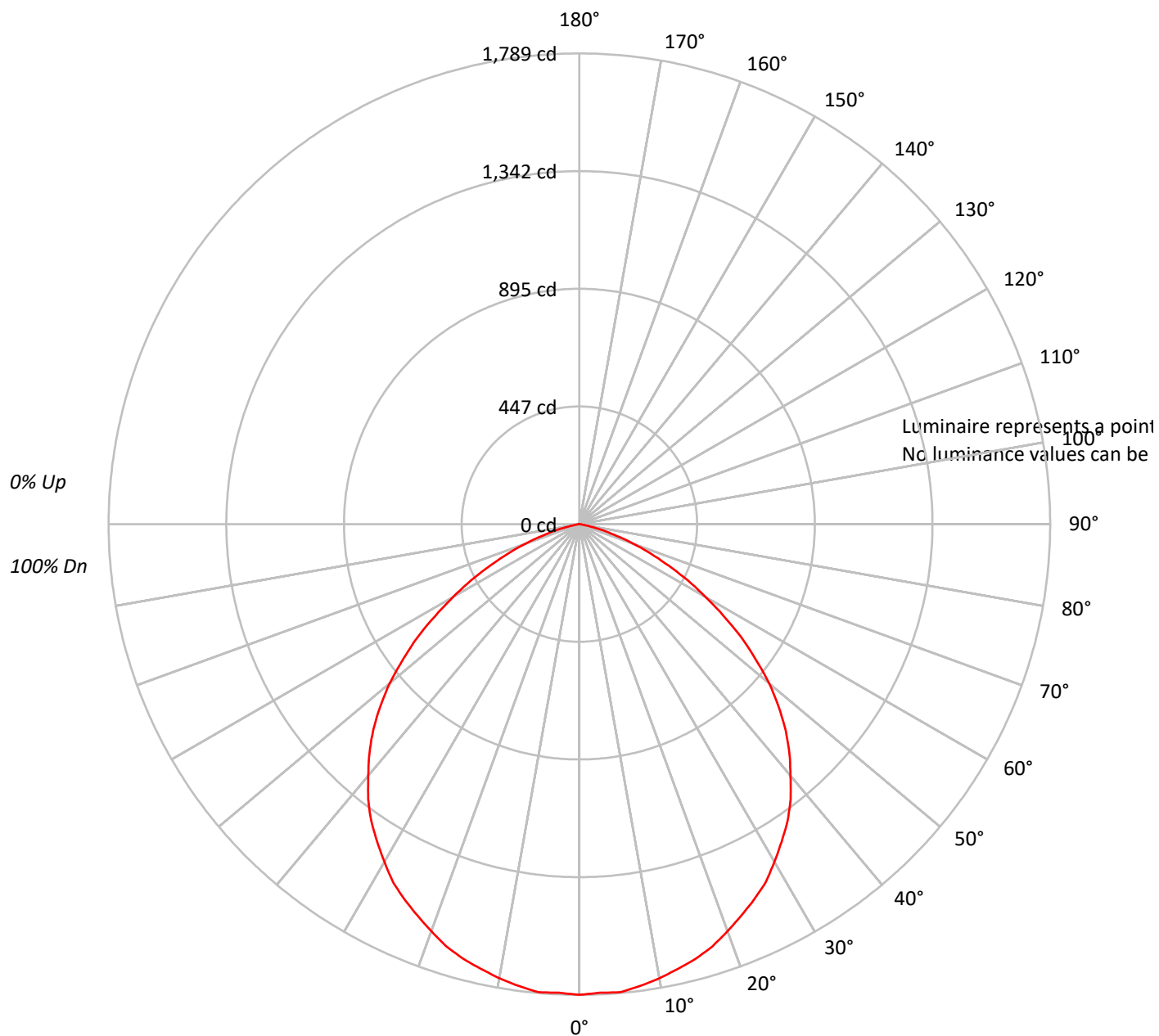
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot

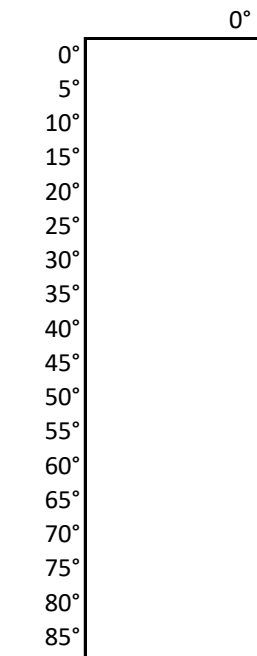


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
RW	70	50	30	10	70	50	30	10	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	100		
1	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88		
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75		
3	93	84	77	71	91	83	76	70	80	74	69	77	72	68	74	70	67	65		
4	86	75	67	61	84	74	66	61	71	65	60	69	63	59	67	62	58	56		
5	79	67	59	53	77	66	59	53	64	57	52	62	56	52	61	55	51	49		
6	74	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43		
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	39		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35		
9	60	47	39	33	58	46	39	33	45	38	33	44	38	33	43	37	33	31		
10	56	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	30	28		

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.2	4.0
10°-20°	482.0	11.4
20°-30°	724.6	17.1
30°-40°	859.8	20.3
40°-50°	850.8	20.1
50°-60°	668.3	15.8
60°-70°	374.7	8.8
70°-80°	105.2	2.5
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°	1375.8	32.5
0°-40°	2235.6	52.8
0°-60°	3754.7	88.6
0°-90°	4236.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4236.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1789	
5°	1786	169
15°	1710	482
25°	1573	725
35°	1379	860
45°	1108	851
55°	753	668
65°	374	375
75°	91	105
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1788.8
2.5°	1782.7
5°	1785.8
7.5°	1770.6
10°	1752.4
12.5°	1731.1
15°	1709.8
17.5°	1682.5
20°	1646.1
22.5°	1609.6
25°	1573.2
27.5°	1533.7
30°	1482.1
32.5°	1430.4
35°	1378.8
37.5°	1318.1
40°	1248.2
42.5°	1181.4
45°	1108.5
47.5°	1026.5
50°	941.5
52.5°	844.3
55°	753.2
57.5°	649.9
60°	552.7
62.5°	464.7
65°	373.6
67.5°	294.6
70°	218.7
72.5°	148.8
75°	91.1
77.5°	45.6
80°	12.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)