

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: P204627

Luminaire Tested: **LD6B60D010TE EU6B60708027 6LBSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204627
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 EU6B60708027 6LB5MW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6204.6 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

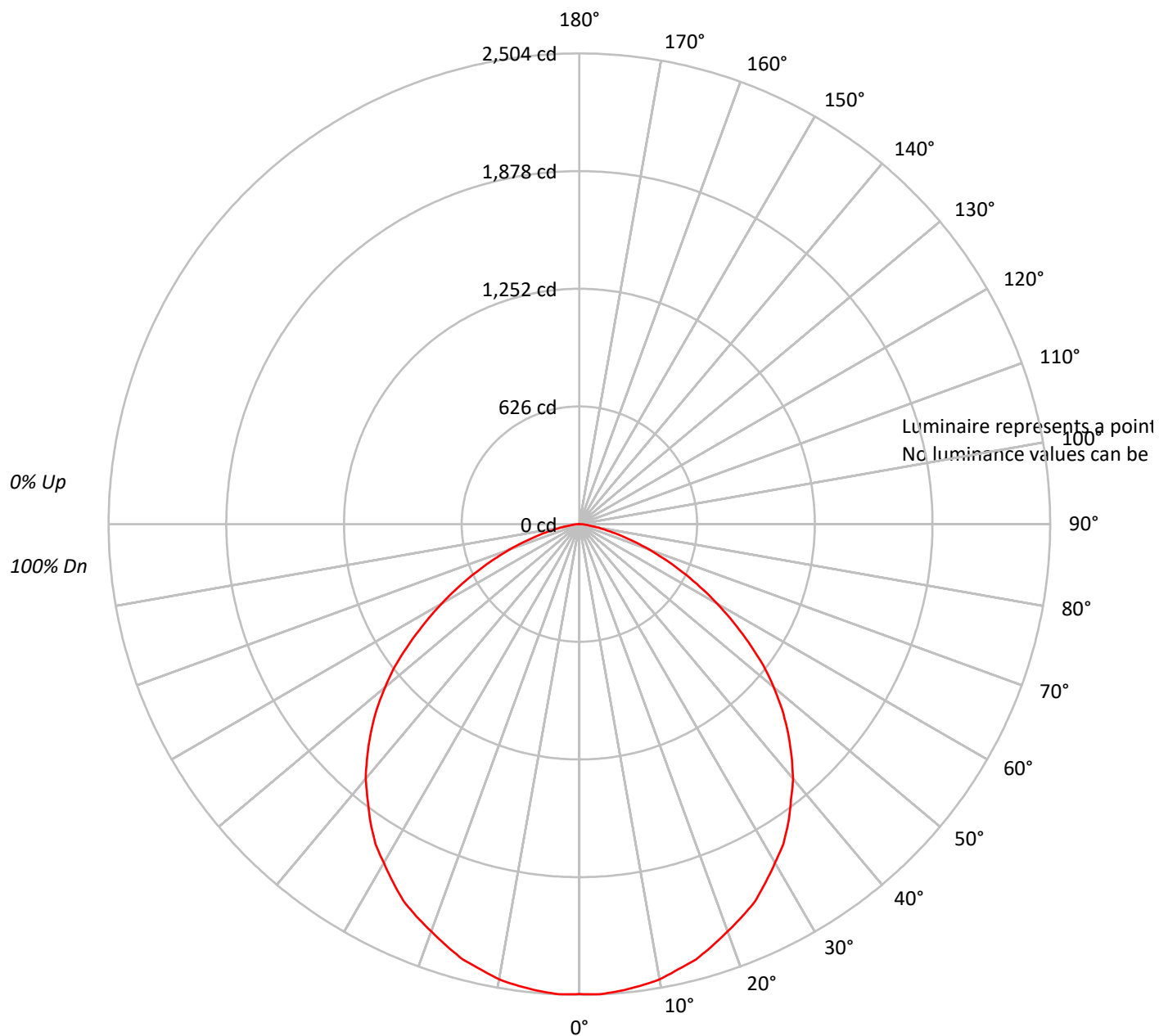
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





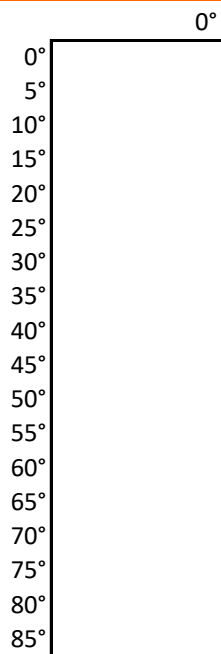
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	110	106	102	99	107	104	100	97	99	97	94		96	93	91		92
2	101	93	87	82	98	92	86	81	88	83	79		85	81	77		82
3	93	83	75	69	90	81	74	69	78	72	67		76	70	66		73
4	85	74	65	59	83	72	65	59	70	63	58		68	62	57		66
5	78	66	58	51	76	65	57	51	63	56	51		61	55	50		59
6	73	60	51	45	71	59	51	45	57	50	44		55	49	44		54
7	67	54	46	40	66	54	46	40	52	45	40		51	44	39		49
8	63	50	41	36	61	49	41	36	48	41	35		46	40	35		45
9	59	46	38	32	57	45	37	32	44	37	32		43	36	32		42
10	55	42	34	29	54	42	34	29	41	34	29		40	33	29		39

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.9	3.8
10°-20°	675.2	10.9
20°-30°	1016.8	16.4
30°-40°	1209.9	19.5
40°-50°	1207.7	19.5
50°-60°	982.2	15.8
60°-70°	604.3	9.7
70°-80°	234.1	3.8
80°-90°	37.5	0.6
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°	1928.9	31.1
0°-40°	3138.8	50.6
0°-60°	5328.7	85.9
0°-90°	6204.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6204.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2500	
5°	2492	237
15°	2397	675
25°	2213	1017
35°	1937	1210
45°	1570	1208
55°	1099	982
65°	607	604
75°	213	234
85°	29	38
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2499.8
2.5°	2503.5
5°	2492.5
7.5°	2477.8
10°	2459.4
12.5°	2426.3
15°	2396.9
17.5°	2352.8
20°	2305.0
22.5°	2260.9
25°	2213.1
27.5°	2146.9
30°	2080.7
32.5°	2018.3
35°	1937.4
37.5°	1849.1
40°	1768.3
42.5°	1669.0
45°	1569.8
47.5°	1463.1
50°	1349.2
52.5°	1231.5
55°	1099.2
57.5°	970.5
60°	845.5
62.5°	724.2
65°	606.6
67.5°	496.3
70°	393.4
72.5°	297.8
75°	213.2
77.5°	139.7
80°	84.6
82.5°	51.5
85°	29.4
87.5°	14.7
90°	0.0



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— 0°-180°







(END OF REPORT)