

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: P204718

Luminaire Tested: **LD6B50D010TE EU6B30508027 6LBPSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204718
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 EU6B30508027 6LBPSMW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH PLASTIC MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5553.2 lumens
Efficiency: N/A
Efficacy: 94.5 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

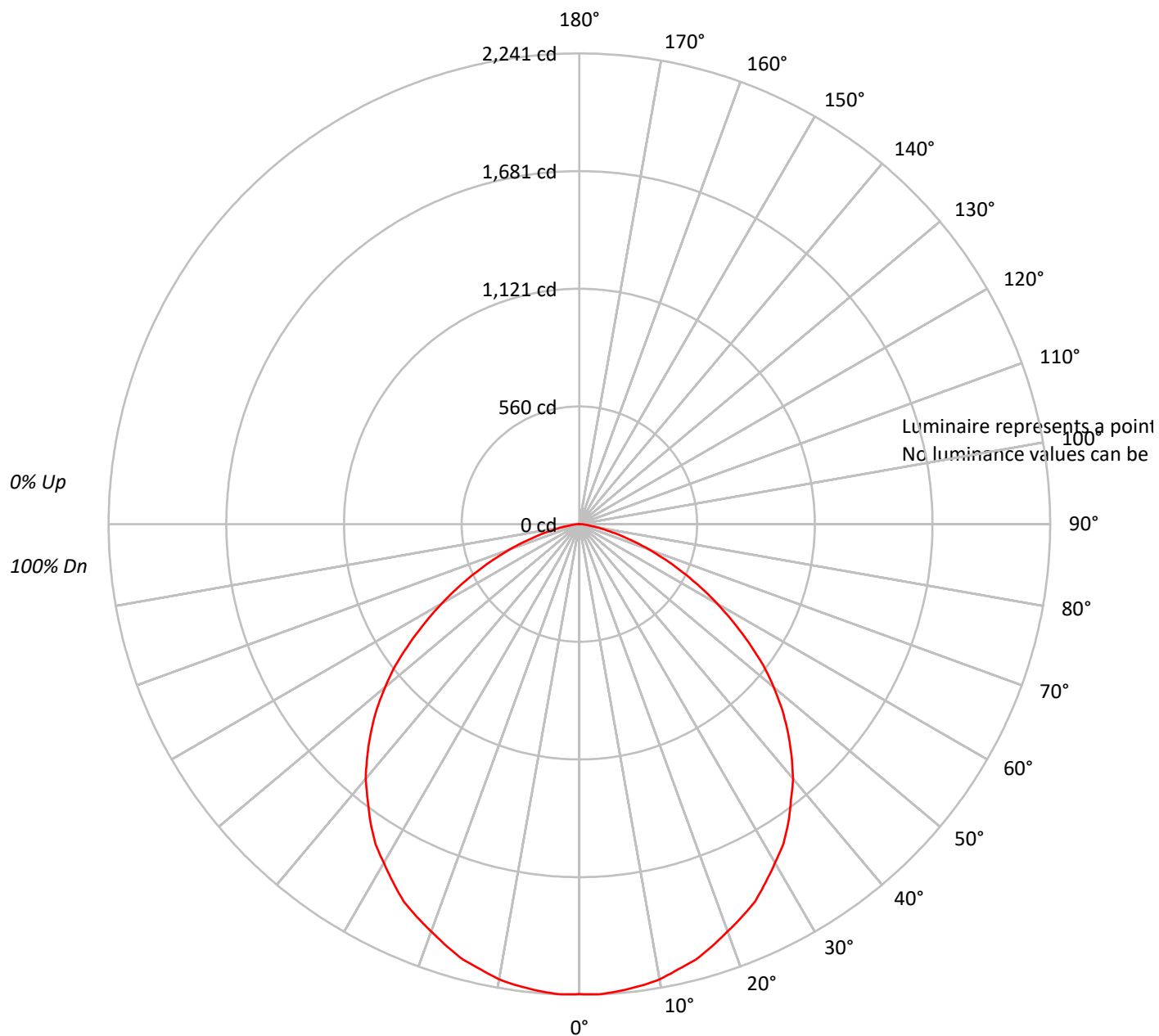
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: LD6B50D010TE EU6B30508027 6LBPSMW1

Luminous Intensity Polar Plot





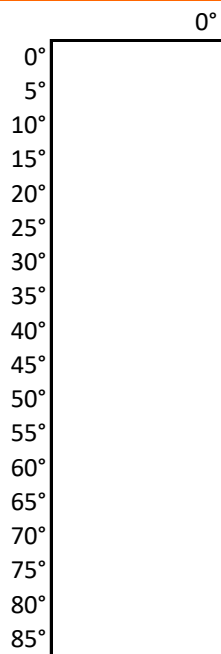
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86		
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74		
3	93	83	75	69	90	81	74	69	78	72	67	76	70	66	73	69	65	63		
4	85	74	66	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54		
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	49	47		
6	73	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.0	3.8
10°-20°	604.3	10.9
20°-30°	910.1	16.4
30°-40°	1082.9	19.5
40°-50°	1080.9	19.5
50°-60°	879.1	15.8
60°-70°	540.8	9.7
70°-80°	209.5	3.8
80°-90°	33.6	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°	1726.4	31.1
0°-40°	2809.3	50.6
0°-60°	4769.3	85.9
0°-90°	5553.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5553.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2237	
5°	2231	212
15°	2145	604
25°	1981	910
35°	1734	1083
45°	1405	1081
55°	984	879
65°	543	541
75°	191	209
85°	26	34
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2237.4
2.5°	2240.7
5°	2230.8
7.5°	2217.7
10°	2201.2
12.5°	2171.6
15°	2145.3
17.5°	2105.8
20°	2063.0
22.5°	2023.5
25°	1980.8
27.5°	1921.5
30°	1862.3
32.5°	1806.4
35°	1734.0
37.5°	1655.0
40°	1582.6
42.5°	1493.8
45°	1405.0
47.5°	1309.5
50°	1207.5
52.5°	1102.2
55°	983.8
57.5°	868.6
60°	756.8
62.5°	648.2
65°	542.9
67.5°	444.2
70°	352.1
72.5°	266.5
75°	190.8
77.5°	125.0
80°	75.7
82.5°	46.1
85°	26.3
87.5°	13.2
90°	0.0



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— 0°-180°







(END OF REPORT)