

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: P204090

Luminaire Tested: **LD6B40D010 EU6B30509024 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204090
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: LD6B40D010 EU6B30509024 6LBNMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH MATTE WHITE TRIM
WATTAGE D010TR-43.02 W DE010-42.54 W D5LT-42.539 W DMX-41.87 W DL2-41.57
W DL3-44.71 W DLE-39.33 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2178.9 lumens
Efficiency: N/A
Efficacy: 52.1 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

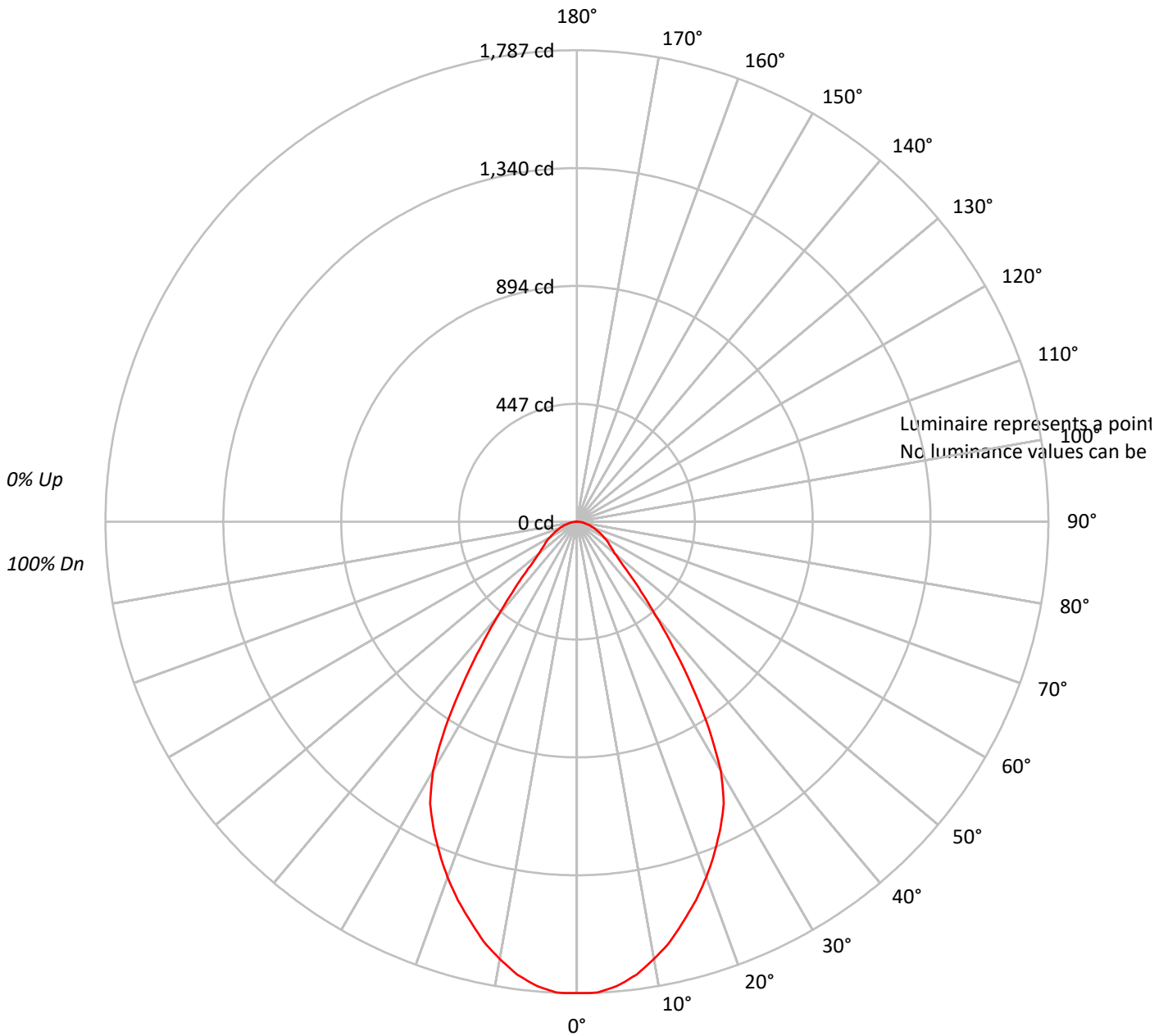
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	112	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90			
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81			
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73			
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66			
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61			
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56			
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51			
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47			
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44			
10	65	54	47	43	64	54	47	43	53	47	43	52	46	43	51	46	43	41			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.9	7.6
10°-20°	439.8	20.2
20°-30°	587.2	26.9
30°-40°	473.7	21.7
40°-50°	227.0	10.4
50°-60°	134.6	6.2
60°-70°	89.5	4.1
70°-80°	47.9	2.2
80°-90°	13.2	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°	1193.0	54.8
0°-40°	1666.7	76.5
0°-60°	2028.4	93.1
0°-90°	2178.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2178.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1787	
5°	1766	166
15°	1565	440
25°	1285	587
35°	758	474
45°	280	227
55°	149	135
65°	90	89
75°	45	48
85°	10	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1787.0
2.5°	1787.0
5°	1766.2
7.5°	1731.6
10°	1683.1
12.5°	1631.1
15°	1565.3
17.5°	1503.0
20°	1433.7
22.5°	1361.0
25°	1284.8
27.5°	1205.2
30°	1090.9
32.5°	931.6
35°	758.4
37.5°	599.1
40°	464.1
42.5°	360.2
45°	280.5
47.5°	221.6
50°	187.0
52.5°	166.2
55°	148.9
57.5°	135.1
60°	117.7
62.5°	103.9
65°	90.0
67.5°	76.2
70°	65.8
72.5°	55.4
75°	45.0
77.5°	34.6
80°	27.7
82.5°	20.8
85°	10.4
87.5°	3.5
90°	0.0



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— 0°-180°







(END OF REPORT)