

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: P204072

Luminaire Tested: **LD6B30D010 EU6B30508027 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204072
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 EU6B30508027 6LBNMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH MATTE WHITE 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: 2040.3 lumens
Efficiency: N/A
Efficacy: 72.9 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

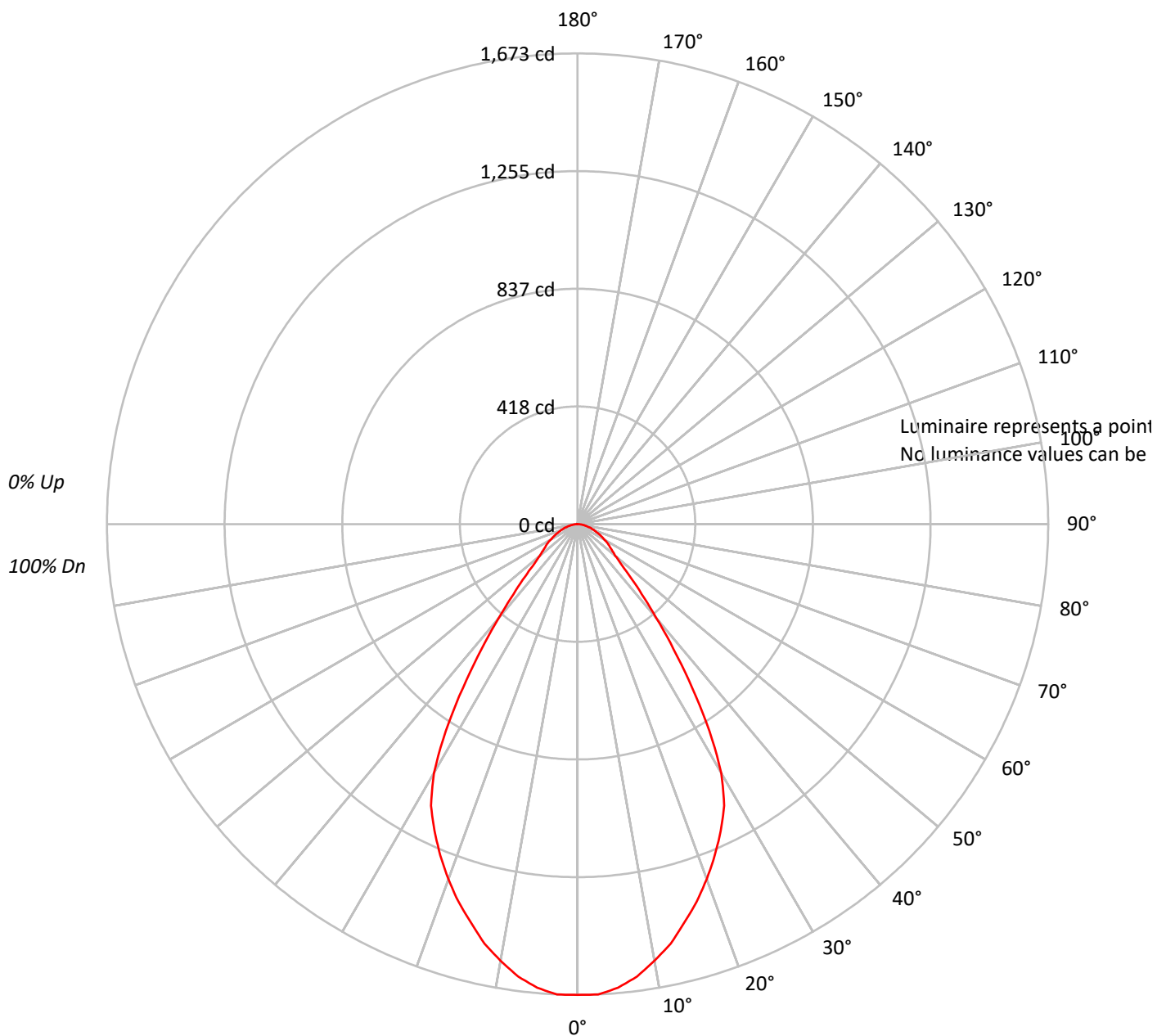
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





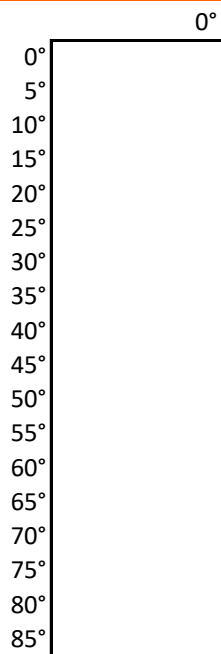
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	155.4	7.6
10°-20°	411.8	20.2
20°-30°	549.9	27.0
30°-40°	443.6	21.7
40°-50°	212.6	10.4
50°-60°	126.0	6.2
60°-70°	83.8	4.1
70°-80°	44.9	2.2
80°-90°	12.3	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°	1117.1	54.8
0°-40°	1560.7	76.5
0°-60°	1899.3	93.1
0°-90°	2040.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2040.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1673	
5°	1654	155
15°	1466	412
25°	1203	550
35°	710	444
45°	263	213
55°	139	126
65°	84	84
75°	42	45
85°	10	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1673.3
2.5°	1673.3
5°	1653.8
7.5°	1621.4
10°	1576.0
12.5°	1527.3
15°	1465.7
17.5°	1407.4
20°	1342.5
22.5°	1274.4
25°	1203.1
27.5°	1128.5
30°	1021.5
32.5°	872.3
35°	710.2
37.5°	561.0
40°	434.5
42.5°	337.2
45°	262.7
47.5°	207.5
50°	175.1
52.5°	155.7
55°	139.4
57.5°	126.5
60°	110.3
62.5°	97.3
65°	84.3
67.5°	71.3
70°	61.6
72.5°	51.9
75°	42.2
77.5°	32.4
80°	25.9
82.5°	19.5
85°	9.7
87.5°	3.2
90°	0.0



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— 0°-180°







(END OF REPORT)