

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: P204081

Luminaire Tested: **LD6B30D010 EU6B30509040 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204081
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 EU6B30509040 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: 1850.7 lumens
Efficiency: N/A
Efficacy: 66.1 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

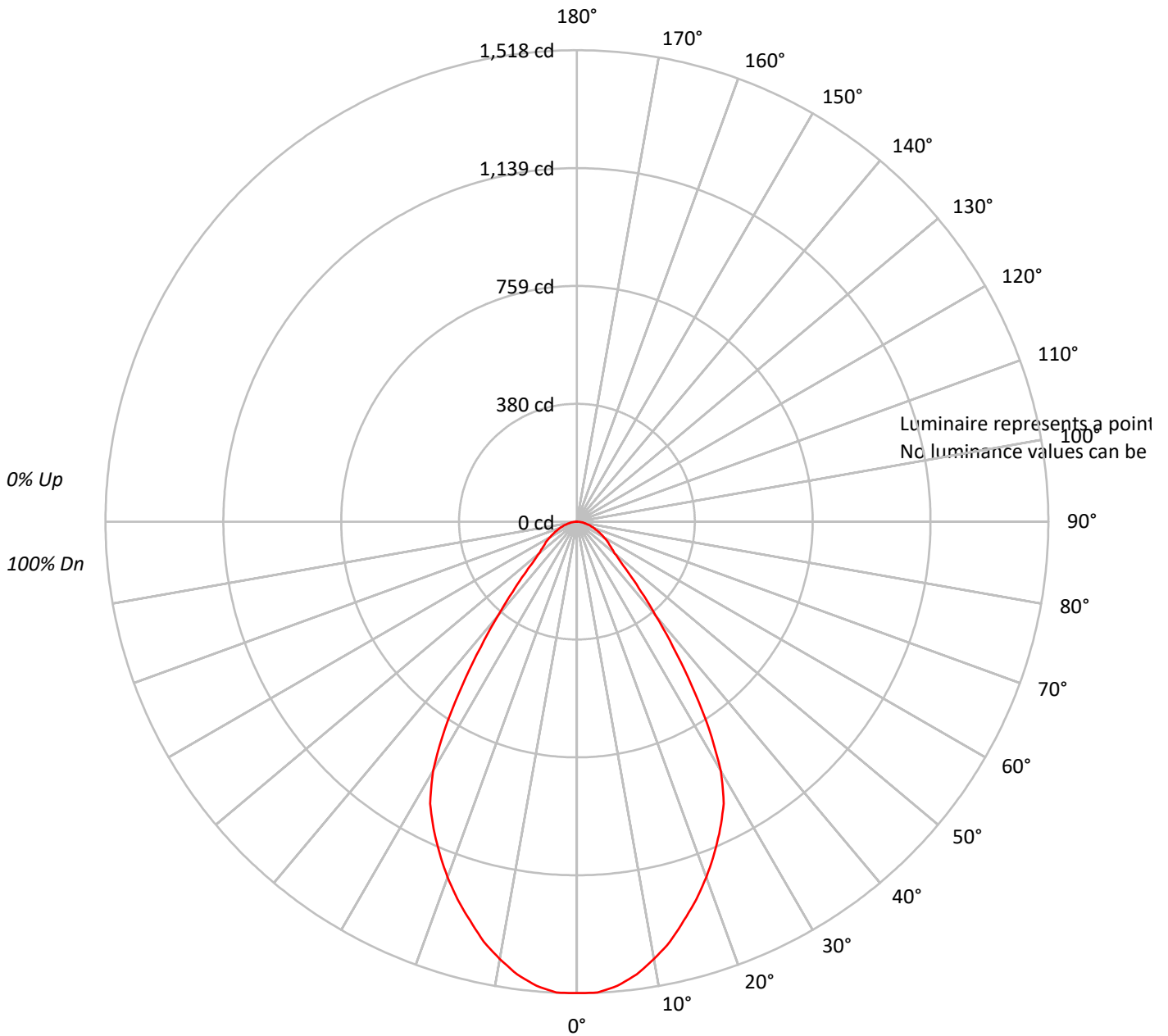
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		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	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°	140.9	7.6
10°-20°	373.6	20.2
20°-30°	498.8	26.9
30°-40°	402.4	21.7
40°-50°	192.9	10.4
50°-60°	114.3	6.2
60°-70°	76.0	4.1
70°-80°	40.7	2.2
80°-90°	11.2	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°	1013.3	54.8
0°-40°	1415.7	76.5
0°-60°	1722.9	93.1
0°-90°	1850.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1850.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1518	
5°	1500	141
15°	1330	374
25°	1091	499
35°	644	402
45°	238	193
55°	126	114
65°	76	76
75°	38	41
85°	9	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1517.8
2.5°	1517.8
5°	1500.2
7.5°	1470.8
10°	1429.6
12.5°	1385.5
15°	1329.6
17.5°	1276.6
20°	1217.8
22.5°	1156.0
25°	1091.3
27.5°	1023.6
30°	926.6
32.5°	791.3
35°	644.2
37.5°	508.9
40°	394.2
42.5°	305.9
45°	238.3
47.5°	188.3
50°	158.8
52.5°	141.2
55°	126.5
57.5°	114.7
60°	100.0
62.5°	88.2
65°	76.5
67.5°	64.7
70°	55.9
72.5°	47.1
75°	38.2
77.5°	29.4
80°	23.5
82.5°	17.6
85°	8.8
87.5°	2.9
90°	0.0



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— 0°-180°







(END OF REPORT)