

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: P204485

Luminaire Tested: **LD6B30D010 EU6B30508030 6LBSB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204485
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 EU6B30508030 6LBSB1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SPECULAR BLACK 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: 2705.0 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.3
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

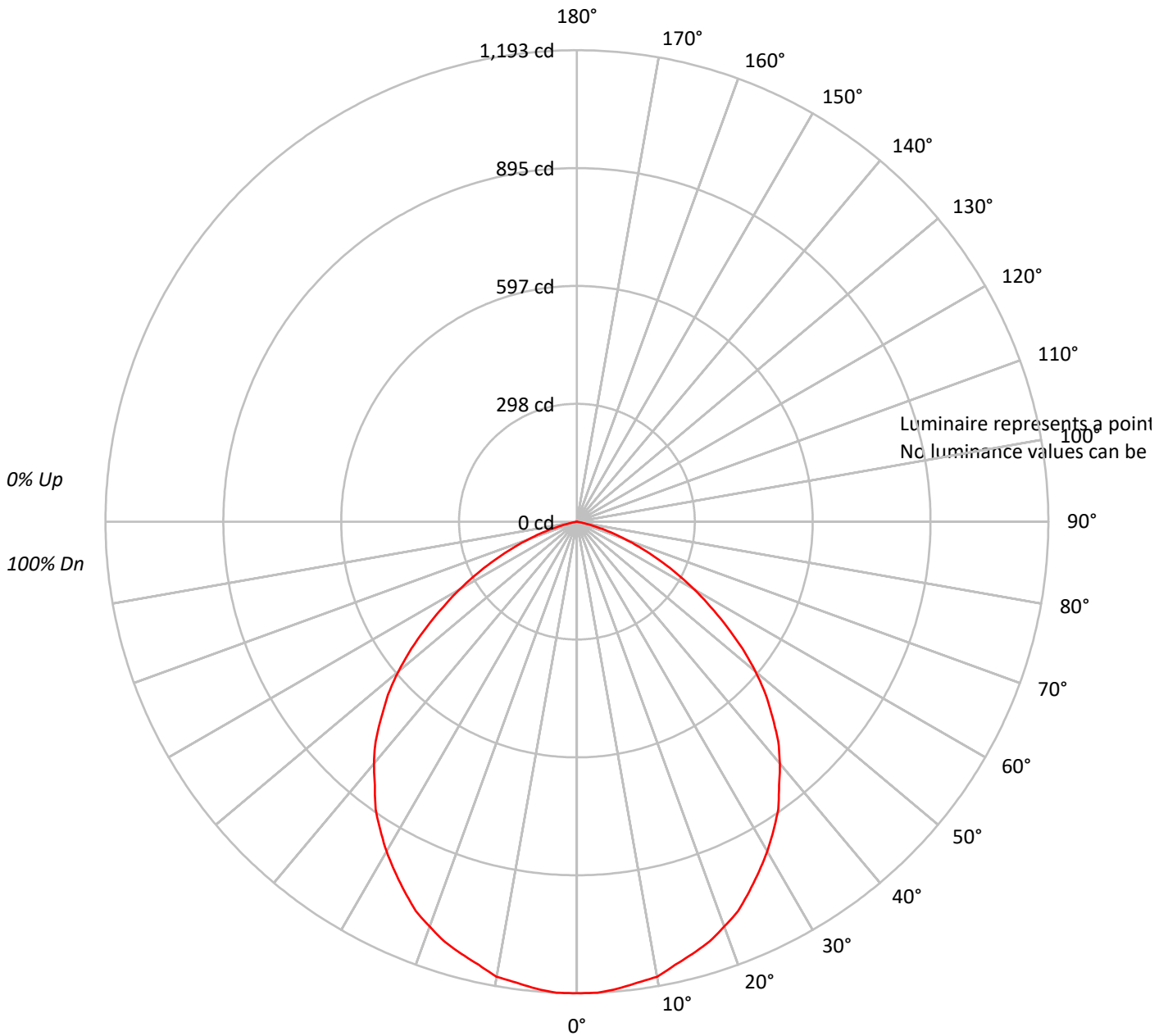
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	111	107	103	100	108	105	101	98	100	98	95	97	94	93	93	91	90	88	88	88	88
2	102	95	89	84	100	93	88	83	90	85	81	86	83	79	84	80	78	76	76	76	76
3	94	84	77	72	91	83	76	71	80	74	70	77	73	68	75	71	67	65	65	65	65
4	86	76	68	62	84	74	67	61	72	65	60	70	64	60	68	63	59	57	57	57	57
5	80	68	60	54	78	67	59	53	65	58	53	63	57	52	61	56	52	50	50	50	50
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44	44	44	44
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39	39	39	39
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35	35	35	35
9	60	47	39	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32	32	32	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29	29	29	29

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.6	4.2
10°-20°	319.6	11.8
20°-30°	475.4	17.6
30°-40°	553.2	20.4
40°-50°	539.2	19.9
50°-60°	414.7	15.3
60°-70°	229.2	8.5
70°-80°	60.7	2.2
80°-90°	0.5	0.0
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°	907.6	33.6
0°-40°	1460.7	54.0
0°-60°	2414.6	89.3
0°-90°	2705.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2705.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1193	
5°	1186	113
15°	1132	320
25°	1032	475
35°	888	553
45°	700	539
55°	463	415
65°	230	229
75°	51	61
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1193.3
2.5°	1193.3
5°	1186.4
7.5°	1176.2
10°	1169.3
12.5°	1148.7
15°	1131.6
17.5°	1114.4
20°	1090.4
22.5°	1066.4
25°	1032.1
27.5°	997.8
30°	963.6
32.5°	925.8
35°	888.1
37.5°	840.1
40°	799.0
42.5°	754.4
45°	699.5
47.5°	648.1
50°	589.8
52.5°	528.1
55°	462.9
57.5°	401.2
60°	342.9
62.5°	284.6
65°	229.7
67.5°	178.3
70°	130.3
72.5°	89.2
75°	51.4
77.5°	24.0
80°	3.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)