

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: P204898

Luminaire Tested: **LD6B30D010 EU6B30508027 6LBCSMB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204898
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 6LBCSMB1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE 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: 2623.3 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

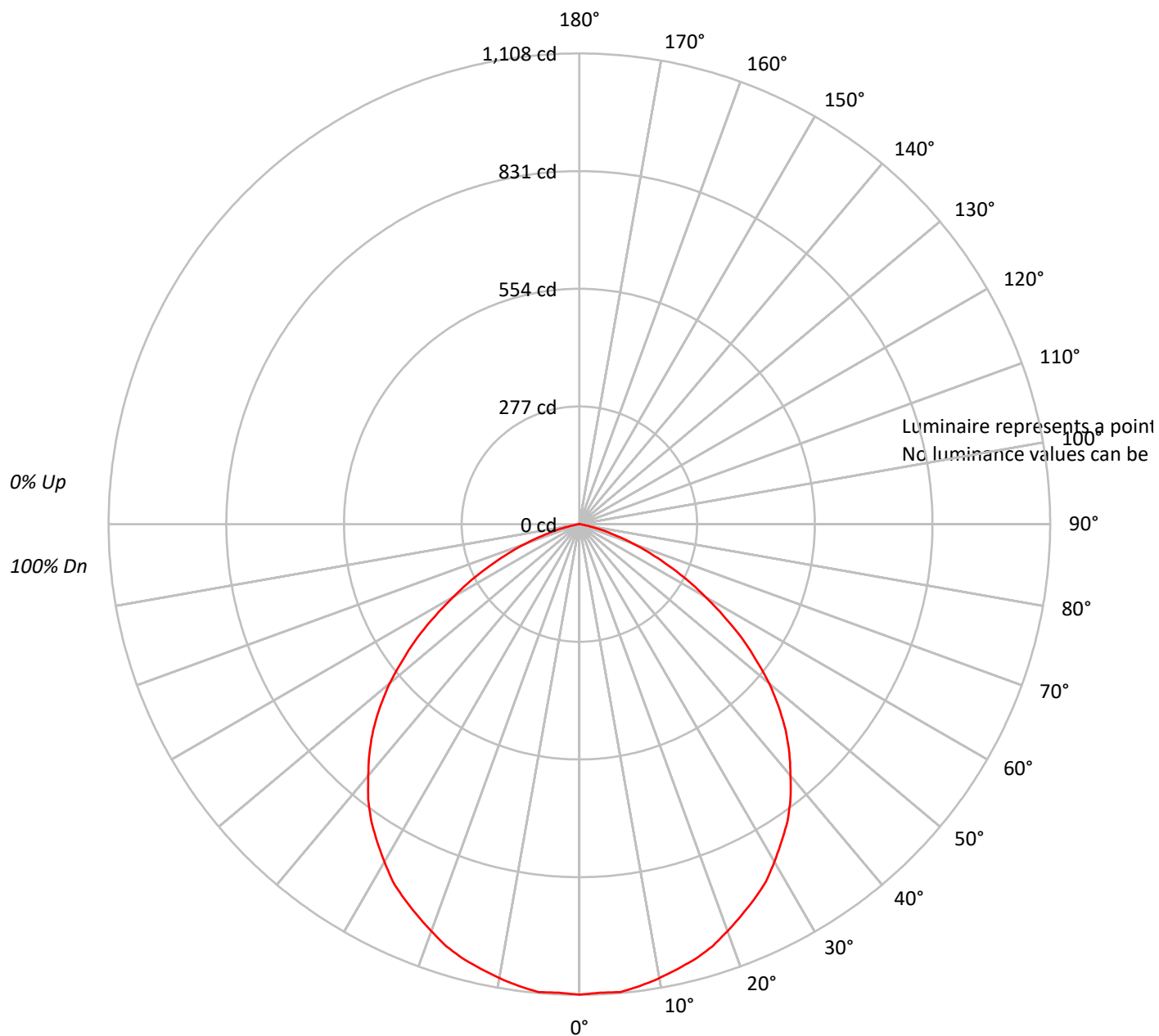
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	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
1	111	107	103	100	108	104	101	98		100	98	95		96	94	92		93	91	90
2	102	95	89	84	99	93	87	83		89	85	81		86	82	79		83	80	77
3	93	84	77	71	91	83	76	70		80	74	69		77	72	68		74	70	67
4	86	75	67	61	84	74	66	61		71	65	60		69	63	59		67	62	58
5	79	67	59	53	77	66	59	53		64	57	52		62	56	52		61	55	51
6	74	61	53	47	72	60	52	46		58	51	46		57	50	46		55	50	45
7	68	55	47	41	67	55	47	41		53	46	41		52	45	41		50	45	40
8	64	51	43	37	62	50	42	37		49	42	37		48	41	37		46	41	36
9	60	47	39	33	58	46	39	33		45	38	33		44	38	33		43	37	33
10	56	43	35	30	55	43	35	30		42	35	30		41	34	30		40	34	30

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.8	4.0
10°-20°	298.5	11.4
20°-30°	448.7	17.1
30°-40°	532.4	20.3
40°-50°	526.9	20.1
50°-60°	413.9	15.8
60°-70°	232.0	8.8
70°-80°	65.2	2.5
80°-90°	1.0	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°	852.0	32.5
0°-40°	1384.4	52.8
0°-60°	2325.1	88.6
0°-90°	2623.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2623.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1108	
5°	1106	105
15°	1059	298
25°	974	449
35°	854	532
45°	686	527
55°	466	414
65°	231	232
75°	56	65
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1107.7
2.5°	1104.0
5°	1105.8
7.5°	1096.4
10°	1085.2
12.5°	1072.0
15°	1058.8
17.5°	1041.9
20°	1019.3
22.5°	996.8
25°	974.2
27.5°	949.7
30°	917.8
32.5°	885.8
35°	853.8
37.5°	816.2
40°	773.0
42.5°	731.6
45°	686.5
47.5°	635.7
50°	583.0
52.5°	522.8
55°	466.4
57.5°	402.5
60°	342.3
62.5°	287.7
65°	231.3
67.5°	182.4
70°	135.4
72.5°	92.2
75°	56.4
77.5°	28.2
80°	7.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)