

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: P202955

Luminaire Tested: **LD6B40D010 EU6B30508040 6LBWGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202955
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 EU6B30508040 6LBWGP1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTIONWITH GRAPHITE HAZE 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: 2880.6 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.11
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

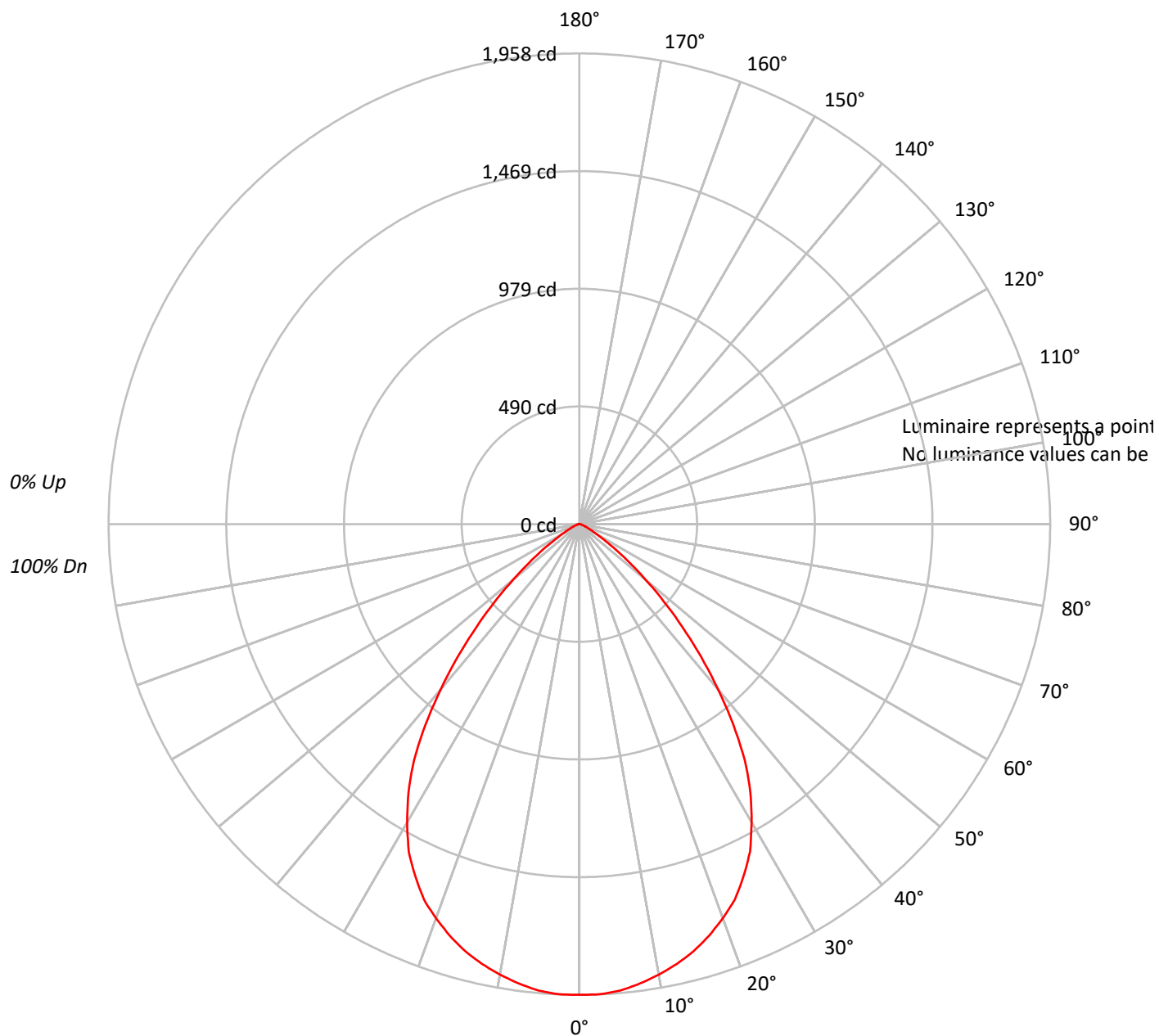
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	109	106	104		110	107	104	102		103	101	99		99	98	96		96	94	93
2	106	100	95	91		103	98	94	90		95	91	88		92	89	86		89	86	84
3	99	91	85	81		97	90	84	80		87	82	79		85	81	77		82	79	76
4	93	84	77	72		91	82	76	72		80	75	71		78	74	70		76	72	69
5	87	77	70	65		85	76	69	65		74	68	64		72	67	63		71	66	63
6	81	71	64	59		80	70	63	59		68	62	58		67	62	58		65	61	57
7	76	65	58	53		75	65	58	53		63	57	53		62	57	53		61	56	52
8	72	61	54	49		70	60	53	49		59	53	49		58	52	48		57	52	48
9	68	57	50	45		66	56	49	45		55	49	45		54	48	45		53	48	44
10	64	53	46	42		63	52	46	42		51	45	41		51	45	41		50	45	41

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.4	6.4
10°-20°	517.2	18.0
20°-30°	740.0	25.7
30°-40°	737.6	25.6
40°-50°	469.8	16.3
50°-60°	173.2	6.0
60°-70°	43.3	1.5
70°-80°	13.1	0.5
80°-90°	2.0	0.1
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°	1441.6	50.0
0°-40°	2179.2	75.7
0°-60°	2822.2	98.0
0°-90°	2880.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2880.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1958	
5°	1948	184
15°	1839	517
25°	1616	740
35°	1199	738
45°	605	470
55°	183	173
65°	40	43
75°	10	13
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1957.8
2.5°	1957.8
5°	1947.9
7.5°	1928.0
10°	1903.2
12.5°	1873.5
15°	1838.8
17.5°	1794.2
20°	1744.6
22.5°	1690.1
25°	1615.8
27.5°	1536.5
30°	1432.4
32.5°	1323.4
35°	1199.4
37.5°	1050.8
40°	897.1
42.5°	748.4
45°	604.7
47.5°	475.8
50°	356.9
52.5°	262.7
55°	183.4
57.5°	119.0
60°	79.3
62.5°	54.5
65°	39.7
67.5°	29.7
70°	24.8
72.5°	14.9
75°	9.9
77.5°	9.9
80°	5.0
82.5°	5.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)