

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: P204080

Luminaire Tested: **LD6B30D010 EU6B30509035 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204080
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 EU6B30509035 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: 1847.7 lumens
Efficiency: N/A
Efficacy: 66.0 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

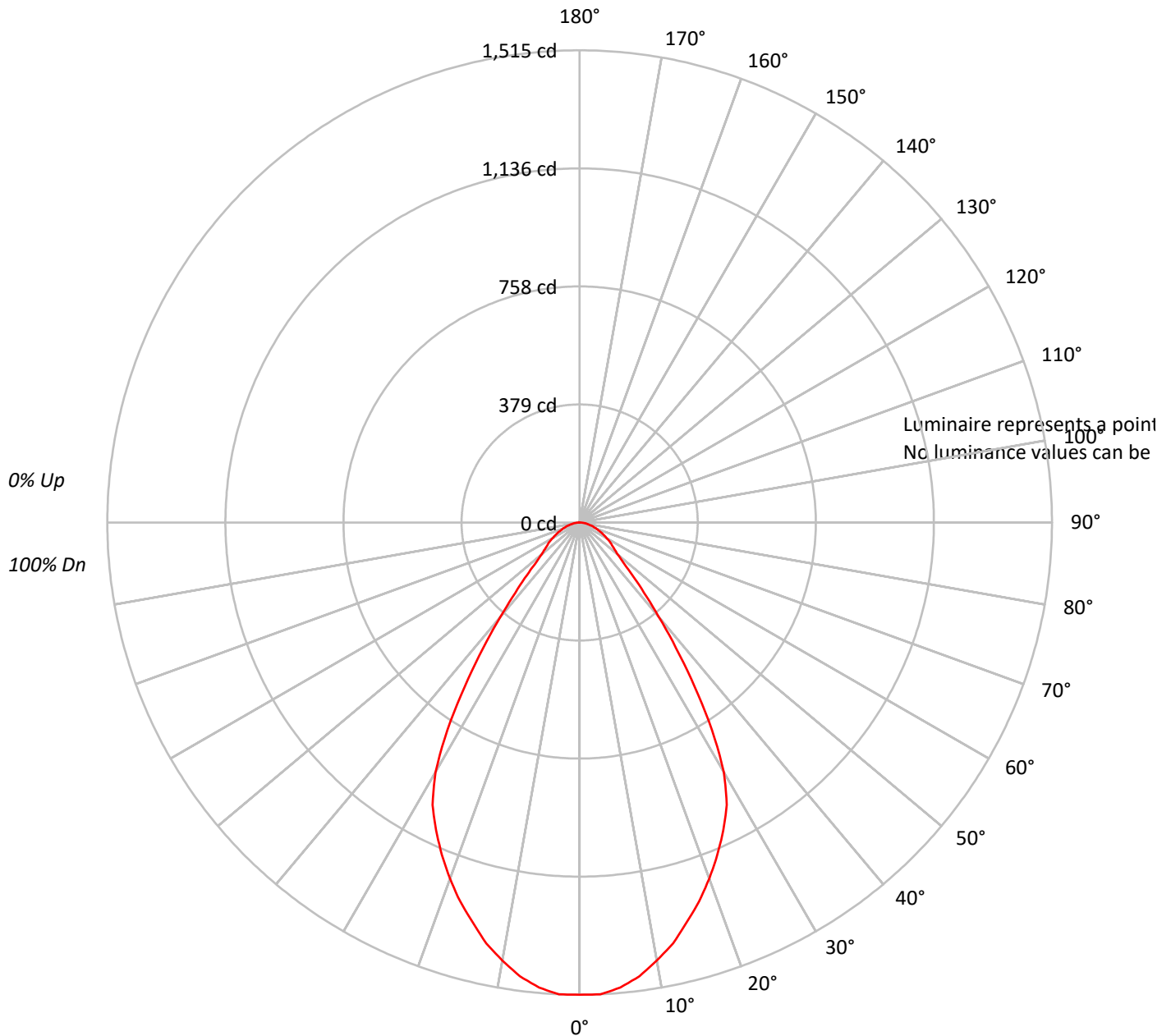
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	112	108	105	103		109	106	103	101		102	100	98			98	97	95			90
2	105	99	94	90		102	97	92	89		94	90	87			91	87	85			81
3	98	90	84	79		96	89	83	79		86	81	77			84	80	76			73
4	92	83	76	71		90	82	76	71		80	74	70			77	73	69			66
5	87	77	70	64		85	76	69	64		74	68	64			72	67	63			61
6	81	71	64	59		80	70	63	59		68	63	58			67	62	58			56
7	77	66	59	54		75	65	59	54		64	58	54			63	57	53			51
8	72	61	55	50		71	61	54	50		60	54	49			59	53	49			47
9	69	58	51	46		67	57	51	46		56	50	46			55	50	46			44
10	65	54	47	43		64	54	47	43		53	47	43			52	46	43			41

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.7	7.6
10°-20°	373.0	20.2
20°-30°	497.9	26.9
30°-40°	401.7	21.7
40°-50°	192.5	10.4
50°-60°	114.1	6.2
60°-70°	75.9	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°	1011.6	54.8
0°-40°	1413.3	76.5
0°-60°	1720.0	93.1
0°-90°	1847.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1847.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1515	
5°	1498	141
15°	1327	373
25°	1090	498
35°	643	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°	1515.3
2.5°	1515.3
5°	1497.7
7.5°	1468.3
10°	1427.2
12.5°	1383.1
15°	1327.3
17.5°	1274.5
20°	1215.7
22.5°	1154.1
25°	1089.5
27.5°	1021.9
30°	925.0
32.5°	789.9
35°	643.1
37.5°	508.0
40°	393.5
42.5°	305.4
45°	237.9
47.5°	187.9
50°	158.6
52.5°	141.0
55°	126.3
57.5°	114.5
60°	99.8
62.5°	88.1
65°	76.4
67.5°	64.6
70°	55.8
72.5°	47.0
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)