

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: P202520

Luminaire Tested: **LD6B20D010 EU6B10209027 6LBSWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202520
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: LD6B20D010 EU6B10209027 6LBSWMH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH WARM HAZE TRIM
WATTAGE D010TR-21.86 W DE010-20.46 W D5LT-21.24 W DMX-20.89 W DL2-22.5 W
DL3-21.8 6 W DLE-22.46 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1752.4 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1.1
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

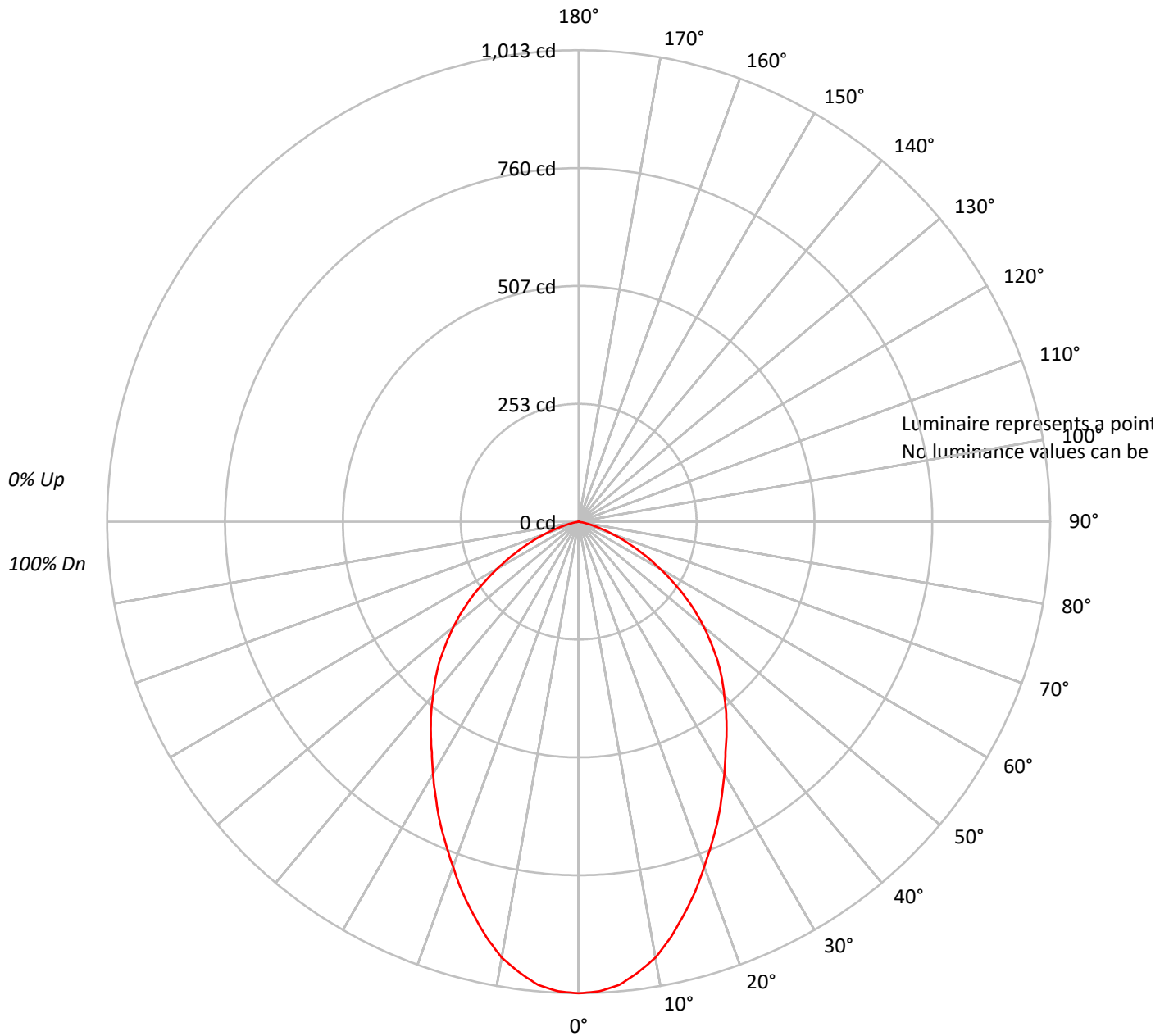
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





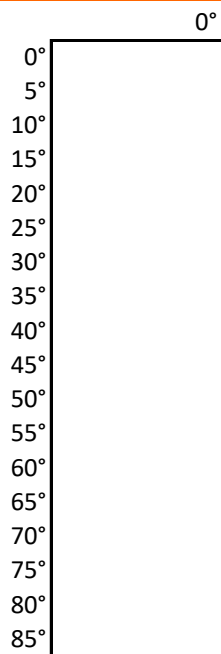
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	104	101	108	105	102	99		101	98	96		97	95	93		94	92	90
2	103	96	90	85	100	94	89	84		91	86	82		87	84	81		84	81	79
3	95	86	79	73	92	84	78	73		81	76	71		79	74	70		76	72	69
4	88	77	70	64	86	76	69	63		74	67	62		71	66	62		69	65	61
5	81	70	62	56	79	69	61	56		67	60	55		65	59	55		63	58	54
6	76	64	56	50	74	63	55	50		61	54	49		59	53	49		58	53	48
7	70	58	50	45	69	57	50	45		56	49	44		55	48	44		53	48	44
8	66	54	46	40	64	53	45	40		52	45	40		50	44	40		49	44	40
9	62	49	42	37	61	49	42	37		48	41	37		47	41	36		46	40	36
10	58	46	39	34	57	45	38	34		45	38	34		44	38	33		43	37	33

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.8	5.4
10°-20°	245.1	14.0
20°-30°	325.0	18.5
30°-40°	346.6	19.8
40°-50°	324.0	18.5
50°-60°	247.0	14.1
60°-70°	134.4	7.7
70°-80°	36.0	2.1
80°-90°	0.4	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°	663.8	37.9
0°-40°	1010.5	57.7
0°-60°	1581.6	90.2
0°-90°	1752.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1752.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1013	
5°	999	94
15°	874	245
25°	707	325
35°	554	347
45°	422	324
55°	278	247
65°	134	134
75°	31	36
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1013.4
2.5°	1010.2
5°	999.4
7.5°	976.9
10°	951.1
12.5°	914.6
15°	873.8
17.5°	833.0
20°	789.0
22.5°	747.2
25°	707.4
27.5°	665.6
30°	625.9
32.5°	587.2
35°	553.9
37.5°	520.7
40°	486.3
42.5°	455.2
45°	421.9
47.5°	385.4
50°	351.0
52.5°	314.5
55°	278.0
57.5°	238.3
60°	201.8
62.5°	167.5
65°	134.2
67.5°	104.1
70°	76.2
72.5°	52.6
75°	31.1
77.5°	14.0
80°	3.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)