

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: P204514

Luminaire Tested: **LD6B50D010TE EU6B30508050 6LBSB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204514
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: LD6B50D010TE EU6B30508050 6LBSB1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SPECULAR BLACK TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5065.3 lumens
Efficiency: N/A
Efficacy: 86.2 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

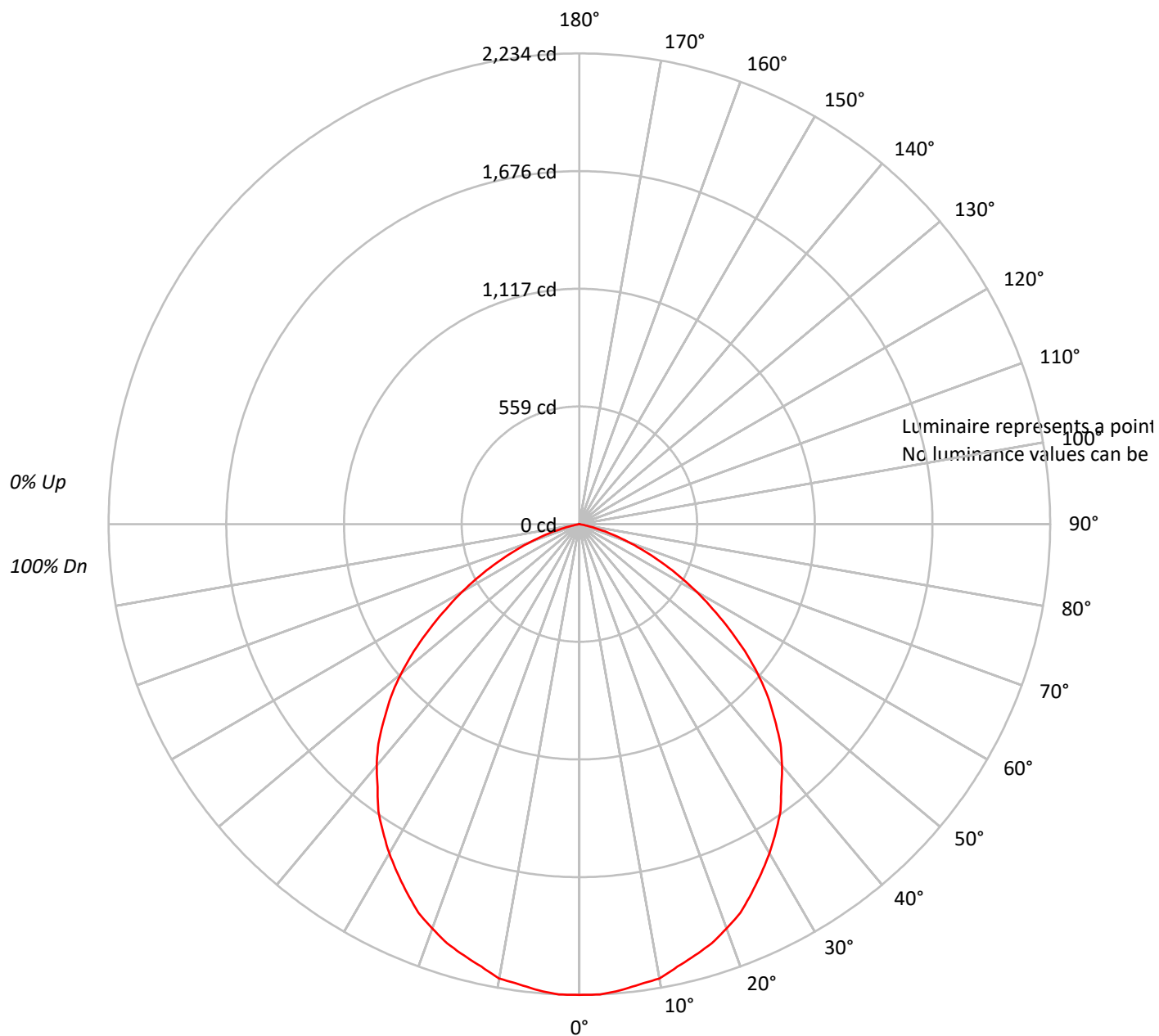
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





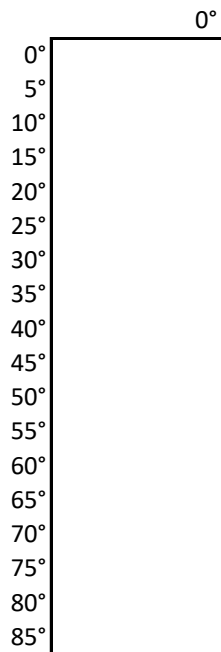
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	103	100	108	105	101	98	100	98	95		97	94	93		93
2	102	95	89	84	100	93	88	83	90	85	81		86	83	79		84
3	94	84	77	72	91	83	76	71	80	74	70		77	73	68		75
4	86	76	68	62	84	74	67	61	72	65	60		70	64	60		68
5	80	68	60	54	78	67	59	53	65	58	53		63	57	52		61
6	74	62	53	47	72	61	53	47	59	52	47		57	51	46		56
7	69	56	48	42	67	55	48	42	54	47	42		52	46	41		51
8	64	51	43	38	63	51	43	38	49	42	37		48	42	37		47
9	60	47	39	34	59	47	39	34	46	39	34		45	38	34		44
10	56	44	36	31	55	43	36	31	42	36	31		41	35	31		40

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.9	4.2
10°-20°	598.4	11.8
20°-30°	890.1	17.6
30°-40°	1035.9	20.5
40°-50°	1009.7	19.9
50°-60°	776.6	15.3
60°-70°	429.3	8.5
70°-80°	113.7	2.2
80°-90°	0.9	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°	1699.5	33.6
0°-40°	2735.3	54.0
0°-60°	4521.5	89.3
0°-90°	5065.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5065.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2234	
5°	2222	211
15°	2119	598
25°	1933	890
35°	1663	1036
45°	1310	1010
55°	867	777
65°	430	429
75°	96	114
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2234.5
2.5°	2234.5
5°	2221.7
7.5°	2202.4
10°	2189.6
12.5°	2151.1
15°	2118.9
17.5°	2086.8
20°	2041.9
22.5°	1996.9
25°	1932.7
27.5°	1868.5
30°	1804.3
32.5°	1733.7
35°	1663.1
37.5°	1573.2
40°	1496.1
42.5°	1412.6
45°	1309.9
47.5°	1213.6
50°	1104.4
52.5°	988.8
55°	866.8
57.5°	751.3
60°	642.1
62.5°	532.9
65°	430.2
67.5°	333.9
70°	244.0
72.5°	166.9
75°	96.3
77.5°	44.9
80°	6.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)