

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: P204930

Luminaire Tested: **LD6B50D010TE EU6B30509027 6LBCSMB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204930
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 EU6B30509027 6LBCSMB1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE BLACK TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4074.4 lumens
Efficiency: N/A
Efficacy: 69.3 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

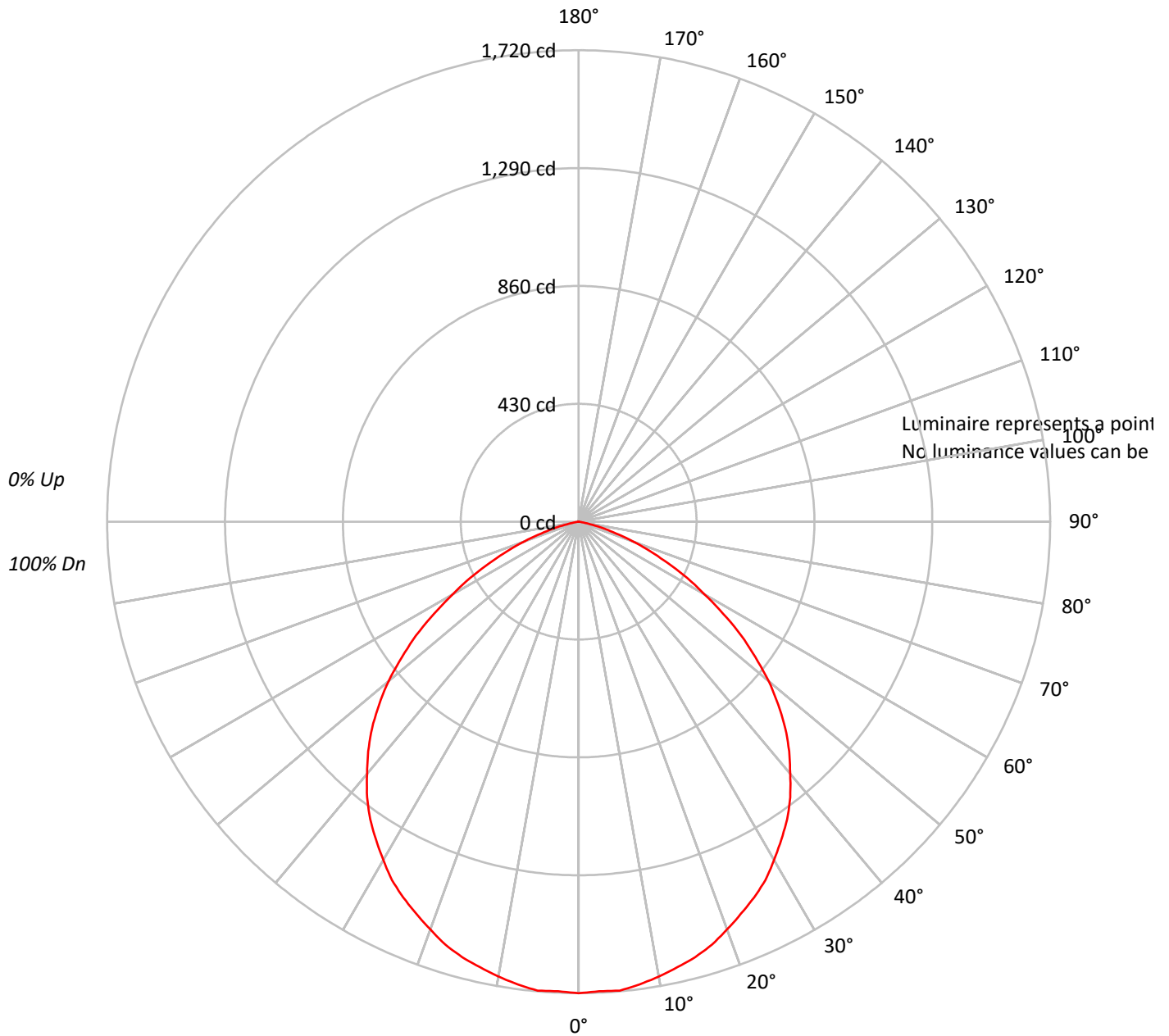
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88		
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75		
3	93	84	77	71	91	83	76	70	80	74	69	77	72	68	74	70	67	65		
4	86	75	67	61	84	74	66	61	71	65	60	69	63	59	67	62	58	56		
5	79	67	59	53	77	66	59	53	64	57	52	62	56	52	61	55	51	49		
6	74	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43		
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	39		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35		
9	60	47	39	33	58	46	39	33	45	38	33	44	38	33	43	37	33	31		
10	56	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	30	28		

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.7	4.0
10°-20°	463.6	11.4
20°-30°	696.9	17.1
30°-40°	826.9	20.3
40°-50°	818.3	20.1
50°-60°	642.8	15.8
60°-70°	360.4	8.8
70°-80°	101.2	2.5
80°-90°	1.6	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°	1323.3	32.5
0°-40°	2150.2	52.8
0°-60°	3611.3	88.6
0°-90°	4074.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4074.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1720	
5°	1718	163
15°	1644	464
25°	1513	697
35°	1326	827
45°	1066	818
55°	724	643
65°	359	360
75°	88	101
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1720.5
2.5°	1714.6
5°	1717.5
7.5°	1702.9
10°	1685.4
12.5°	1665.0
15°	1644.5
17.5°	1618.2
20°	1583.2
22.5°	1548.1
25°	1513.1
27.5°	1475.1
30°	1425.4
32.5°	1375.8
35°	1326.1
37.5°	1267.7
40°	1200.5
42.5°	1136.3
45°	1066.2
47.5°	987.3
50°	905.5
52.5°	812.0
55°	724.4
57.5°	625.1
60°	531.6
62.5°	446.9
65°	359.3
67.5°	283.3
70°	210.3
72.5°	143.1
75°	87.6
77.5°	43.8
80°	11.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)