

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: P202965

Luminaire Tested: **LD6B50D010TE EU6B30508027 6LBWGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202965
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 EU6B30508027 6LBWGPH1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTIONWITH GRAPHITE HAZE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3403.5 lumens
Efficiency: N/A
Efficacy: 57.9 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

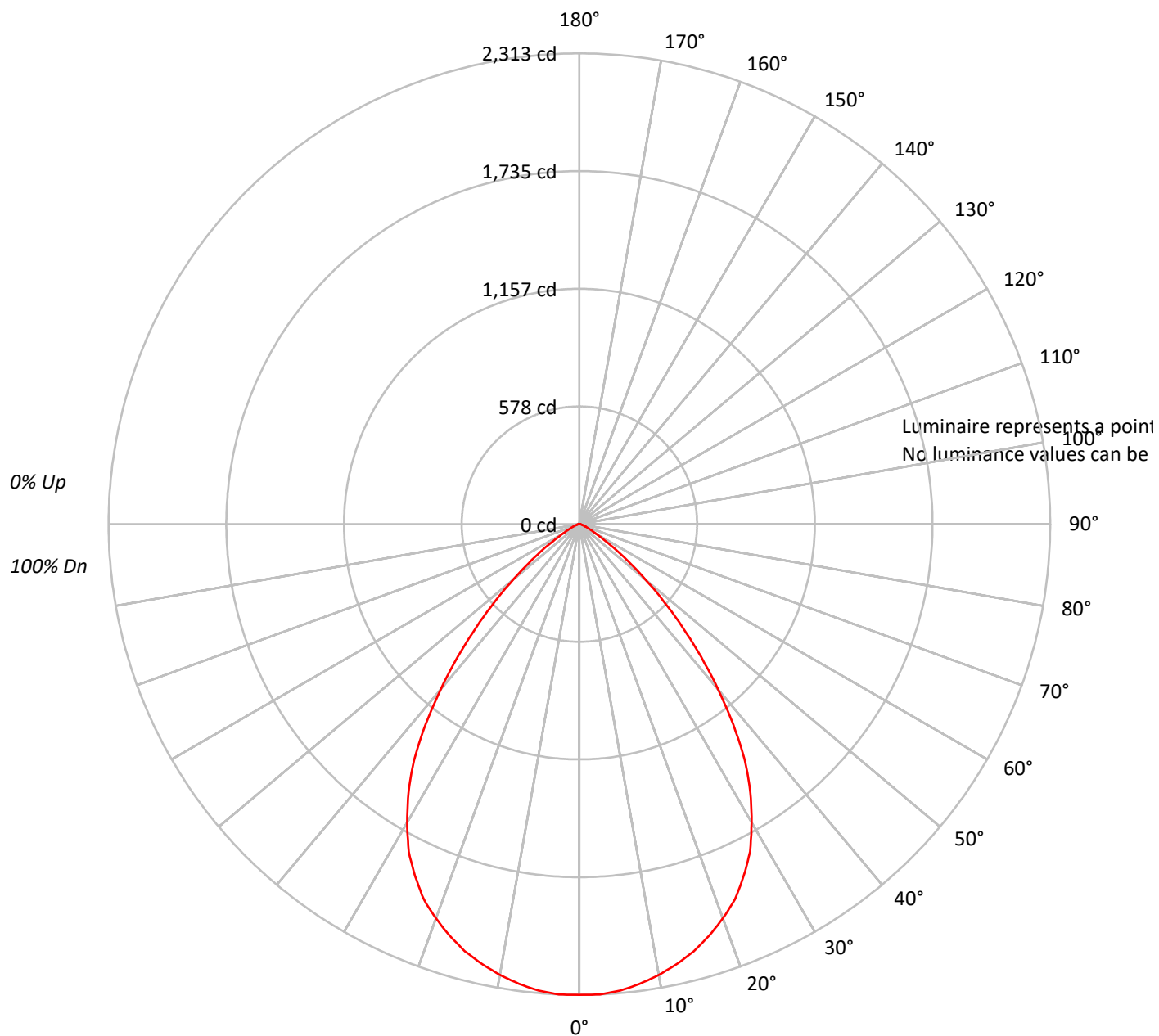
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				0			
RW	70	50	30	10	70	50	30	10	50	30	10	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	102	102	102	100						
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91						
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82						
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74						
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67						
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61						
6	81	71	64	59	80	70	63	59	68	62	58	67	62	58	65	61	57	56						
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51						
8	72	61	54	49	70	60	53	49	59	53	49	58	52	48	57	52	48	47						
9	68	57	50	45	66	56	49	45	55	49	45	54	48	45	53	48	44	43						
10	64	53	46	42	63	52	46	42	51	45	41	51	45	41	50	45	41	40						

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.9	6.4
10°-20°	611.1	18.0
20°-30°	874.3	25.7
30°-40°	871.5	25.6
40°-50°	555.0	16.3
50°-60°	204.7	6.0
60°-70°	51.2	1.5
70°-80°	15.4	0.5
80°-90°	2.4	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°	1703.3	50.0
0°-40°	2574.7	75.7
0°-60°	3334.5	98.0
0°-90°	3403.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3403.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2313	
5°	2302	218
15°	2173	611
25°	1909	874
35°	1417	871
45°	714	555
55°	217	205
65°	47	51
75°	12	15
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2313.2
2.5°	2313.2
5°	2301.5
7.5°	2278.0
10°	2248.8
12.5°	2213.6
15°	2172.6
17.5°	2119.9
20°	2061.4
22.5°	1996.9
25°	1909.1
27.5°	1815.4
30°	1692.4
32.5°	1563.6
35°	1417.2
37.5°	1241.5
40°	1060.0
42.5°	884.3
45°	714.5
47.5°	562.2
50°	421.6
52.5°	310.4
55°	216.7
57.5°	140.5
60°	93.7
62.5°	64.4
65°	46.8
67.5°	35.1
70°	29.3
72.5°	17.6
75°	11.7
77.5°	11.7
80°	5.9
82.5°	5.9
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)