

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: P205537

Luminaire Tested: **LD6B50D010TE EU6B30508035 6LBMGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205537
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 EU6B30508035 6LBMGPH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH GRAPHITE HAZE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3058.7 lumens
Efficiency: N/A
Efficacy: 52.0 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.91
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

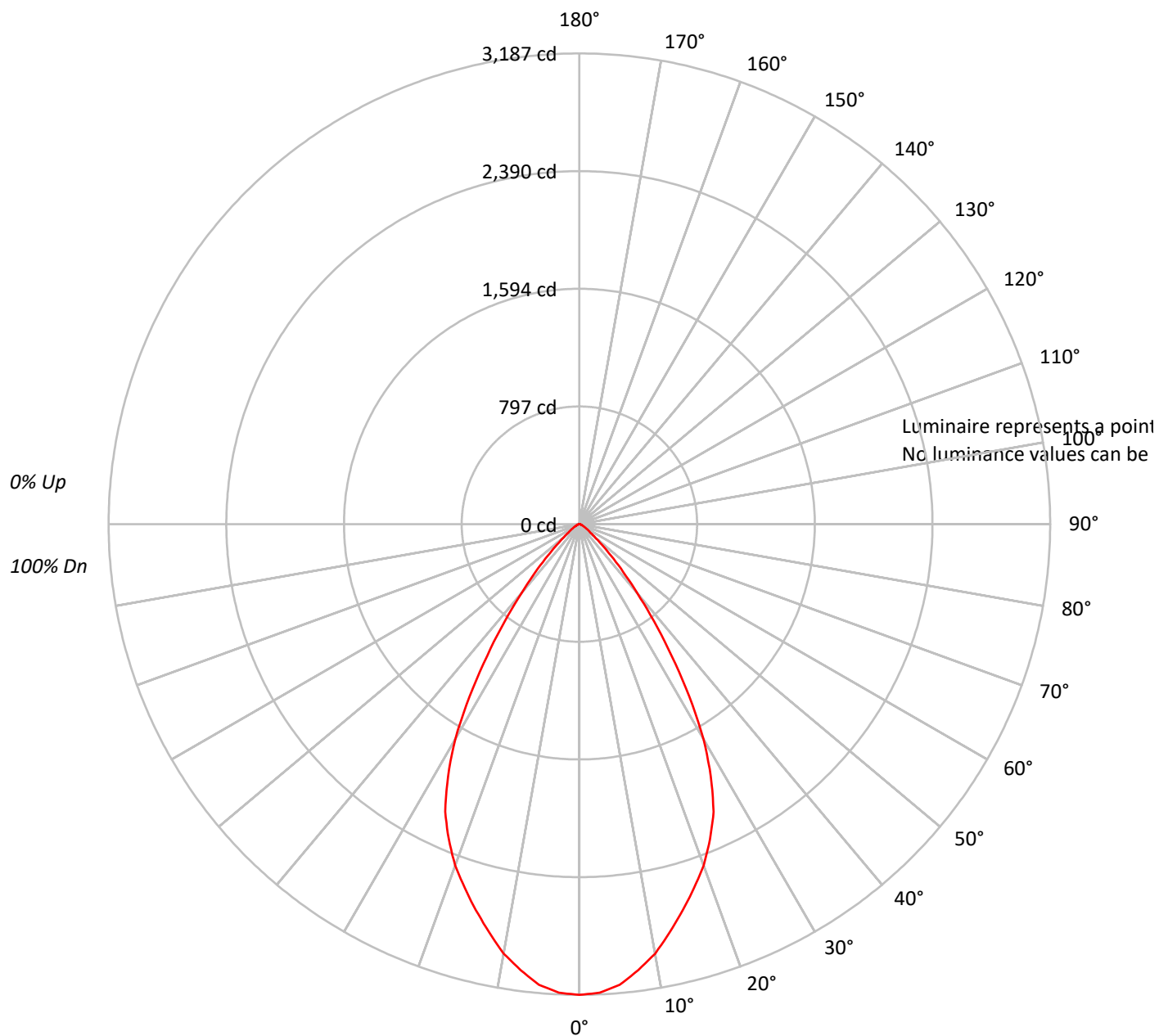
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





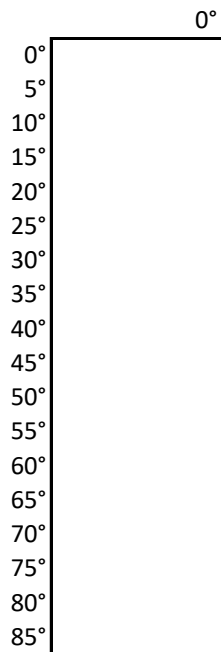
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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	113	110	108	105	111	108	106	104		104	102	101			100	99	98			93
2	107	102	98	94	105	100	97	93		97	94	91			94	92	89			86
3	102	95	90	85	100	93	89	85		91	87	83			88	85	82			79
4	96	88	82	78	94	87	82	77		85	80	77			83	79	76			73
5	91	82	76	72	89	81	76	71		79	74	71			78	73	70			68
6	86	77	71	66	85	76	70	66		74	69	65			73	68	65			63
7	82	72	66	61	80	71	65	61		70	65	61			69	64	60			59
8	77	68	61	57	76	67	61	57		66	60	57			65	60	56			55
9	74	64	57	53	72	63	57	53		62	57	53			61	56	53			51
10	70	60	54	50	69	59	54	50		59	53	50			58	53	49			48

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.8	9.6
10°-20°	759.8	24.8
20°-30°	968.1	31.6
30°-40°	684.2	22.4
40°-50°	249.8	8.2
50°-60°	69.2	2.3
60°-70°	25.1	0.8
70°-80°	9.0	0.3
80°-90°	0.8	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°	2020.7	66.1
0°-40°	2704.8	88.4
0°-60°	3023.8	98.9
0°-90°	3058.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3058.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3187	
5°	3132	293
15°	2706	760
25°	2150	968
35°	1087	684
45°	303	250
55°	74	69
65°	25	25
75°	6	9
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3187.3
2.5°	3175.0
5°	3131.7
7.5°	3045.3
10°	2952.6
12.5°	2829.1
15°	2705.5
17.5°	2582.0
20°	2458.5
22.5°	2310.2
25°	2149.6
27.5°	1927.2
30°	1680.1
32.5°	1383.7
35°	1087.2
37.5°	827.7
40°	605.3
42.5°	438.6
45°	302.7
47.5°	203.8
50°	135.9
52.5°	92.7
55°	74.1
57.5°	55.6
60°	43.2
62.5°	30.9
65°	24.7
67.5°	18.5
70°	12.4
72.5°	12.4
75°	6.2
77.5°	6.2
80°	6.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)