

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: P204327

Luminaire Tested: **LD6B60D010TE EU6B60709050 6LBSWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204327
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: LD6B60D010TE EU6B60709050 6LBSWH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH WHEAT TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5450.1 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 1.08
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

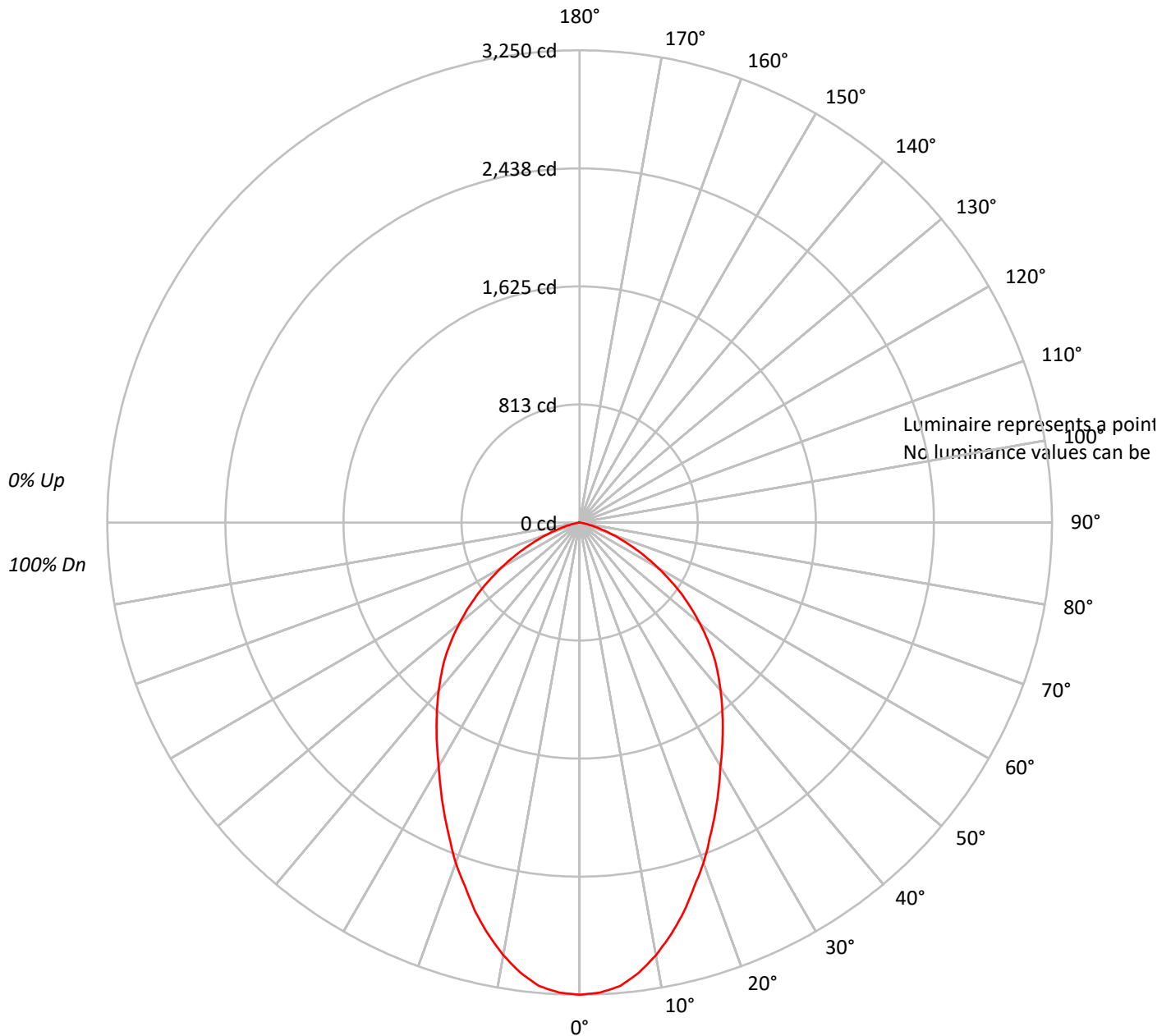
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204327

CATALOG NUMBER: LD6B60D010TE EU6B60709050 6LBSWH1

Luminous Intensity Polar Plot





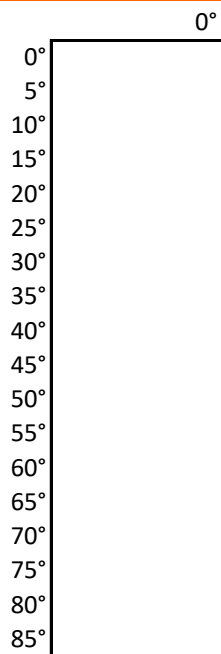
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	50	0
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89	
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77	
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67	
4	88	77	70	64	86	76	69	63	74	68	63	72	66	62	69	65	61	59	
5	81	70	62	56	79	69	62	56	67	60	55	65	59	55	63	58	54	52	
6	76	64	56	50	74	63	55	50	61	54	49	60	54	49	58	53	49	47	
7	71	58	51	45	69	58	50	45	56	49	45	55	49	44	54	48	44	42	
8	66	54	46	41	65	53	46	41	52	45	40	51	45	40	50	44	40	38	
9	62	50	42	37	61	49	42	37	48	41	37	47	41	37	46	41	37	35	
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32	

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.8	5.5
10°-20°	776.0	14.2
20°-30°	1015.0	18.6
30°-40°	1074.7	19.7
40°-50°	1002.4	18.4
50°-60°	759.2	13.9
60°-70°	411.2	7.5
70°-80°	110.3	2.0
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°	2090.7	38.4
0°-40°	3165.4	58.1
0°-60°	4927.0	90.4
0°-90°	5450.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5450.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3250	
5°	3203	300
15°	2773	776
25°	2207	1015
35°	1718	1075
45°	1306	1002
55°	853	759
65°	412	411
75°	95	110
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3250.4
2.5°	3238.5
5°	3202.7
7.5°	3125.2
10°	3023.8
12.5°	2904.5
15°	2773.3
17.5°	2624.2
20°	2493.0
22.5°	2343.9
25°	2206.7
27.5°	2069.5
30°	1938.3
32.5°	1825.0
35°	1717.6
37.5°	1610.3
40°	1508.9
42.5°	1407.5
45°	1306.1
47.5°	1192.8
50°	1079.5
52.5°	966.2
55°	852.9
57.5°	733.6
60°	620.3
62.5°	512.9
65°	411.5
67.5°	316.1
70°	232.6
72.5°	161.0
75°	95.4
77.5°	41.7
80°	11.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)