

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: P204436

Luminaire Tested: **LD6B70D010TE EU6B60708040 6LBSGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204436
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: LD6B70D010TE EU6B60708040 6LBSGPH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW 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: 7015.1 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.26
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

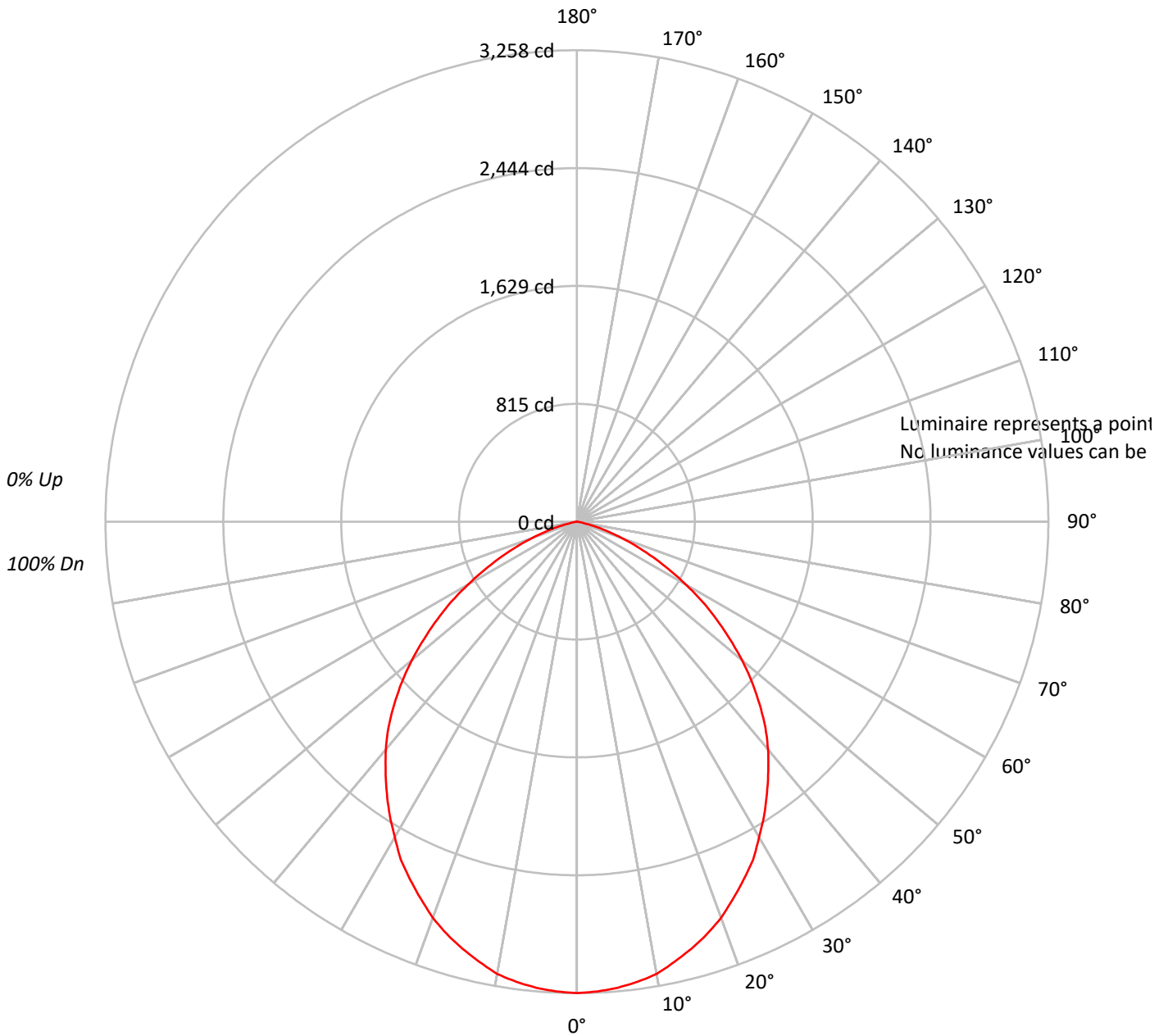
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204436

CATALOG NUMBER: LD6B70D010TE EU6B60708040 6LBSGPH1

Luminous Intensity Polar Plot





TEST NUMBER: P204436

CATALOG NUMBER: LD6B70D010TE EU6B60708040 6LBSGPH1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	91	90	88																			
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76																			
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66																			
4	87	76	68	62	85	75	67	62	72	66	61	70	65	60	68	63	59	57																			
5	80	68	60	54	78	67	60	54	65	59	53	63	58	53	62	56	52	50																			
6	74	62	54	48	73	61	53	48	59	52	47	58	52	47	56	51	47	45																			
7	69	57	48	43	68	56	48	43	54	47	42	53	47	42	52	46	42	40																			
8	65	52	44	38	63	51	44	38	50	43	38	49	42	38	48	42	38	36																			
9	60	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34	32																			
10	57	44	37	32	56	44	36	32	43	36	31	42	36	31	41	35	31	30																			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204436

CATALOG NUMBER: LD6B70D010TE EU6B60708040 6LBSGPH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.7	4.4
10°-20°	861.1	12.3
20°-30°	1255.9	17.9
30°-40°	1432.2	20.4
40°-50°	1373.8	19.6
50°-60°	1052.2	15.0
60°-70°	577.4	8.2
70°-80°	153.5	2.2
80°-90°	2.3	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°	2423.8	34.6
0°-40°	3855.9	55.0
0°-60°	6281.9	89.5
0°-90°	7015.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7015.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3258	
5°	3233	307
15°	3056	861
25°	2728	1256
35°	2290	1432
45°	1785	1374
55°	1179	1052
65°	581	577
75°	135	154
85°	0	2
90°	0	



TEST NUMBER: P204436

CATALOG NUMBER: LD6B70D010TE EU6B60708040 6LBSGPH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	3258.2
2.5°	3249.8
5°	3232.9
7.5°	3207.7
10°	3174.0
12.5°	3115.0
15°	3056.1
17.5°	2988.8
20°	2913.0
22.5°	2820.4
25°	2727.8
27.5°	2635.2
30°	2517.3
32.5°	2407.8
35°	2290.0
37.5°	2172.1
40°	2054.2
42.5°	1928.0
45°	1784.8
47.5°	1641.7
50°	1490.2
52.5°	1330.2
55°	1178.7
57.5°	1027.1
60°	867.2
62.5°	715.6
65°	580.9
67.5°	446.2
70°	328.3
72.5°	218.9
75°	134.7
77.5°	58.9
80°	16.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)