

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: P202960

Luminaire Tested: **LD6B40D010 EU6B30509035 6LBWGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202960
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: LD6B40D010 EU6B30509035 6LBWGPH1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTIONWITH GRAPHITE HAZE TRIM
WATTAGE D010TR-43.02 W DE010-42.54 W D5LT-42.539 W DMX-41.87 W DL2-41.57
W DL3-44.71 W DLE-39.33 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2408.9 lumens
Efficiency: N/A
Efficacy: 57.6 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

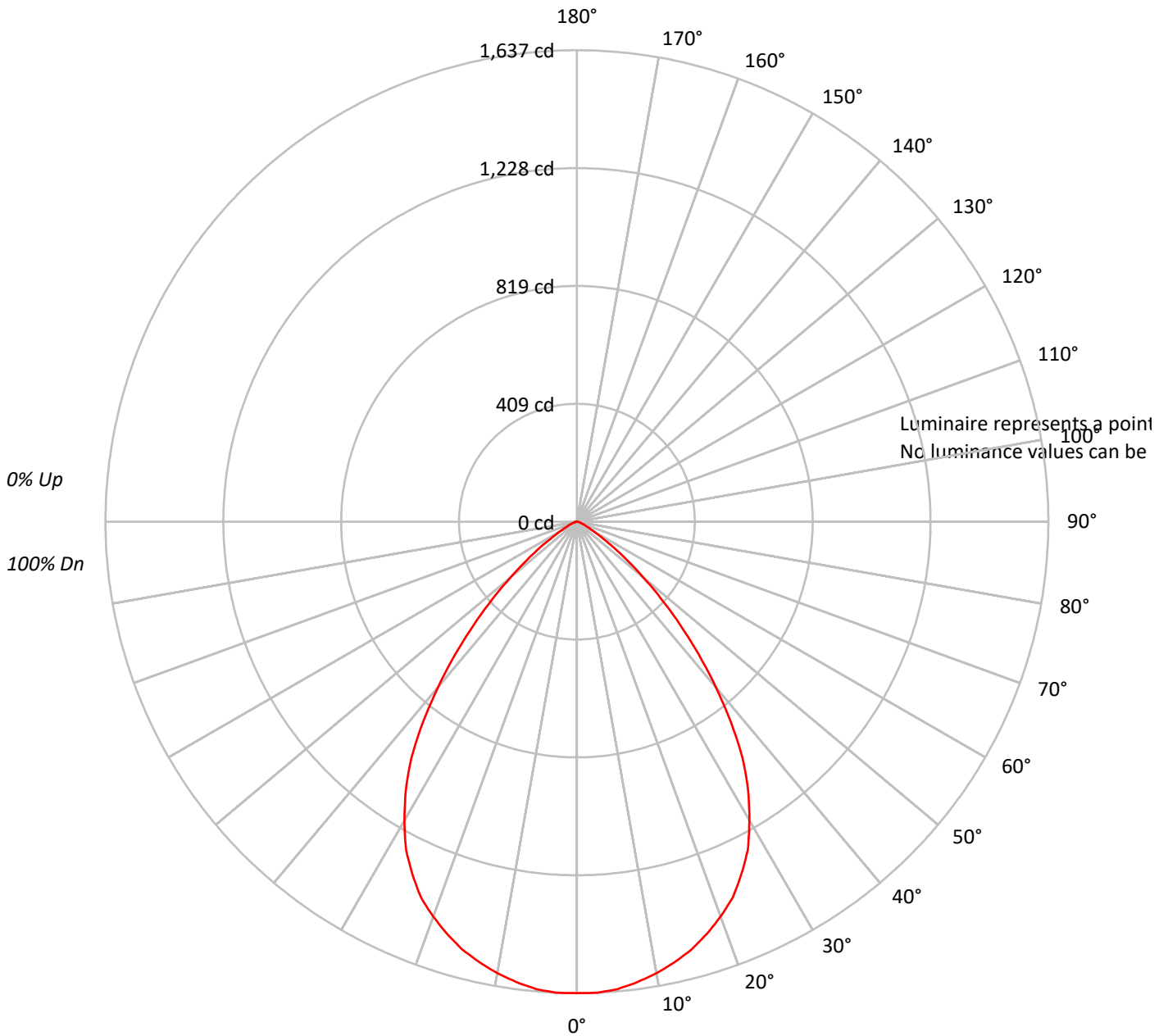
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P202960

CATALOG NUMBER: LD6B40D010 EU6B30509035 6LBWGPH1

Luminous Intensity Polar Plot





TEST NUMBER: P202960

CATALOG NUMBER: LD6B40D010 EU6B30509035 6LBWGPH1

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):





TEST NUMBER: P202960

CATALOG NUMBER: LD6B40D010 EU6B30509035 6LBWGPH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.2	6.4
10°-20°	432.5	18.0
20°-30°	618.8	25.7
30°-40°	616.8	25.6
40°-50°	392.8	16.3
50°-60°	144.9	6.0
60°-70°	36.2	1.5
70°-80°	10.9	0.5
80°-90°	1.7	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°	1205.6	50.0
0°-40°	1822.4	75.7
0°-60°	2360.1	98.0
0°-90°	2408.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2408.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1637	
5°	1629	154
15°	1538	433
25°	1351	619
35°	1003	617
45°	506	393
55°	153	145
65°	33	36
75°	8	11
85°	0	2
90°	0	



TEST NUMBER: P202960

CATALOG NUMBER: LD6B40D010 EU6B30509035 6LBWGPH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	1637.3
2.5°	1637.3
5°	1629.0
7.5°	1612.4
10°	1591.7
12.5°	1566.8
15°	1537.8
17.5°	1500.5
20°	1459.0
22.5°	1413.4
25°	1351.3
27.5°	1284.9
30°	1197.9
32.5°	1106.7
35°	1003.1
37.5°	878.7
40°	750.2
42.5°	625.9
45°	505.7
47.5°	397.9
50°	298.4
52.5°	219.7
55°	153.4
57.5°	99.5
60°	66.3
62.5°	45.6
65°	33.2
67.5°	24.9
70°	20.7
72.5°	12.4
75°	8.3
77.5°	8.3
80°	4.1
82.5°	4.1
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)