

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: P204417

Luminaire Tested: **LD6B50D010TE EU6B30509050 6LBSGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204417
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 EU6B30509050 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: 4451.0 lumens
Efficiency: N/A
Efficacy: 75.7 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

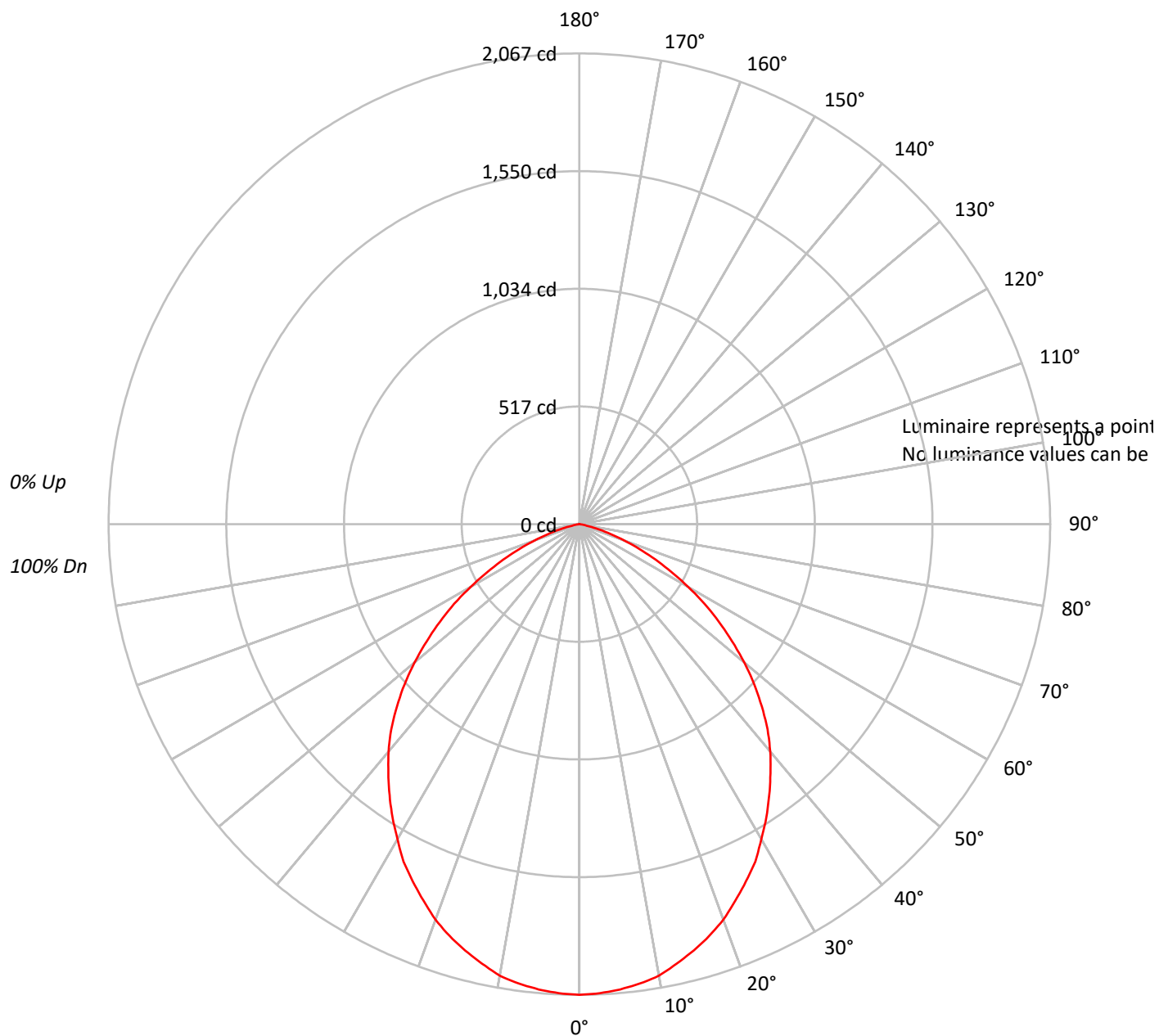
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204417

CATALOG NUMBER: LD6B50D010TE EU6B30509050 6LBSGPH1

Luminous Intensity Polar Plot





TEST NUMBER: P204417

CATALOG NUMBER: LD6B50D010TE EU6B30509050 6LBSGPH1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					10
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	107	103	100		108	105	102	99		101	98	96		97	95	93		93	91	90
2	102	95	89	84		100	93	88	83		90	85	82		87	83	80		84	81	78
3	94	85	78	72		92	83	77	71		80	75	70		78	73	69		75	71	68
4	87	76	68	62		85	75	67	62		72	66	61		70	65	60		68	63	59
5	80	68	60	54		78	67	60	54		65	59	53		63	58	53		62	56	52
6	74	62	54	48		73	61	53	48		59	52	47		58	52	47		56	51	47
7	69	57	48	43		68	56	48	43		54	47	42		53	47	42		52	46	42
8	65	52	44	38		63	51	44	38		50	43	38		49	42	38		48	42	38
9	60	48	40	35		59	47	40	35		46	39	35		45	39	34		44	38	34
10	57	44	37	32		56	44	36	32		43	36	31		42	36	31		41	35	31

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204417

CATALOG NUMBER: LD6B50D010TE EU6B30509050 6LBSGPH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.6	4.4
10°-20°	546.3	12.3
20°-30°	796.9	17.9
30°-40°	908.7	20.4
40°-50°	871.7	19.6
50°-60°	667.6	15.0
60°-70°	366.3	8.2
70°-80°	97.4	2.2
80°-90°	1.4	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°	1537.8	34.6
0°-40°	2446.5	55.0
0°-60°	3985.8	89.5
0°-90°	4451.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4451.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2067	
5°	2051	195
15°	1939	546
25°	1731	797
35°	1453	909
45°	1132	872
55°	748	668
65°	369	366
75°	86	97
85°	0	1
90°	0	



TEST NUMBER: P204417

CATALOG NUMBER: LD6B50D010TE EU6B30509050 6LBSGPH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2067.2
2.5°	2061.9
5°	2051.2
7.5°	2035.2
10°	2013.8
12.5°	1976.4
15°	1939.0
17.5°	1896.3
20°	1848.2
22.5°	1789.5
25°	1730.7
27.5°	1672.0
30°	1597.2
32.5°	1527.7
35°	1453.0
37.5°	1378.2
40°	1303.4
42.5°	1223.3
45°	1132.4
47.5°	1041.6
50°	945.5
52.5°	844.0
55°	747.8
57.5°	651.7
60°	550.2
62.5°	454.0
65°	368.6
67.5°	283.1
70°	208.3
72.5°	138.9
75°	85.5
77.5°	37.4
80°	10.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)