

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: P204510

Luminaire Tested: **LD6B50D010TE EU6B30508027 6LBSB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204510
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 EU6B30508027 6LBSB1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SPECULAR BLACK TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4680.5 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.3
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

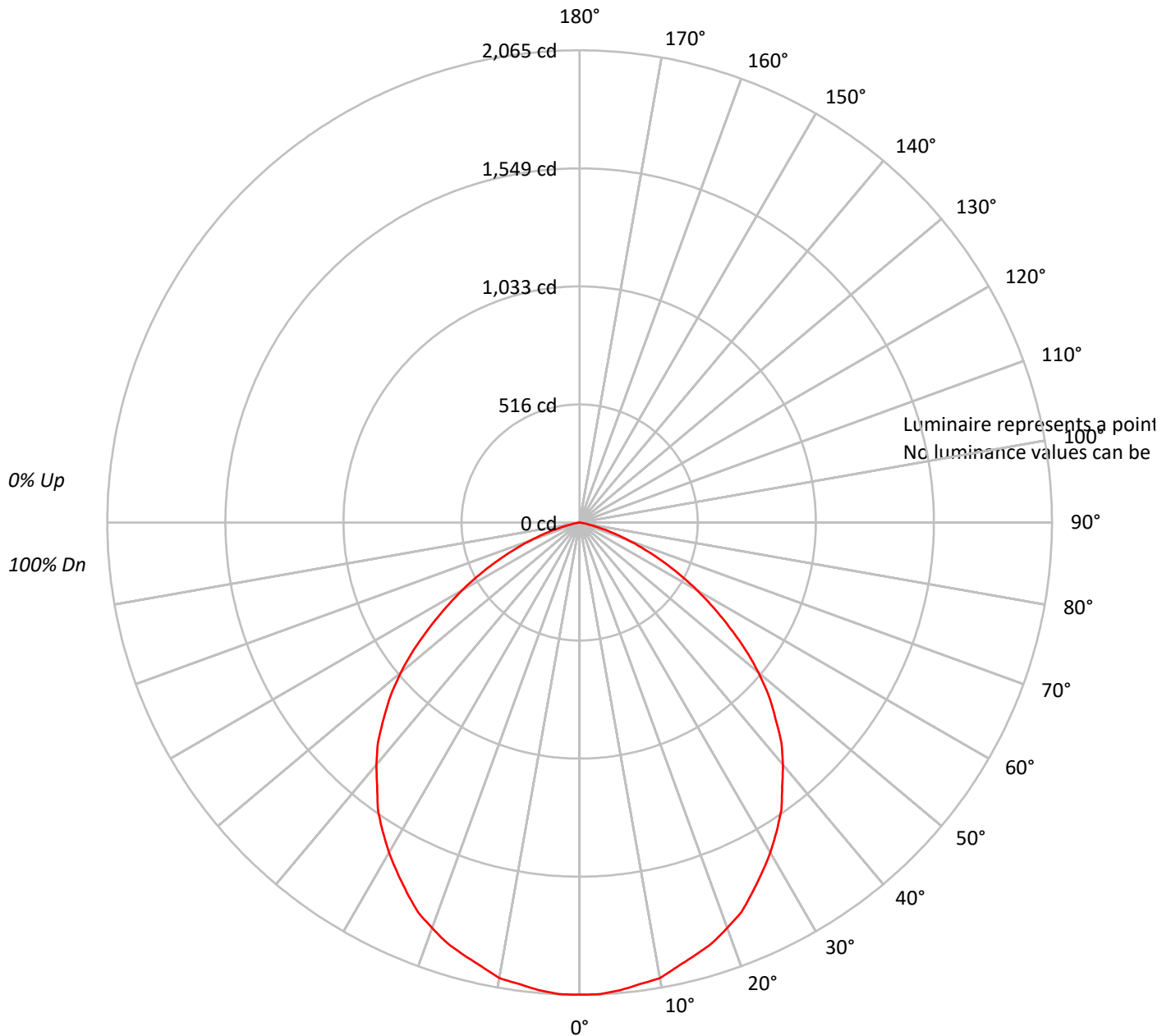
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					10
RW	70	50	30	10	70	50	30	10		50	30	10			50	30	10			50
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	111	107	103	100	108	105	101	98		100	98	95			97	94	93			93
2	102	95	89	84	100	93	88	83		90	85	81			86	83	79			84
3	94	84	77	72	91	83	76	71		80	74	70			77	73	68			75
4	86	76	68	62	84	74	67	61		72	65	60			70	64	60			68
5	80	68	60	54	78	67	59	53		65	58	53			63	57	52			61
6	74	62	53	47	72	61	53	47		59	52	47			57	51	46			56
7	69	56	48	42	67	55	48	42		54	47	42			52	46	41			51
8	64	51	43	38	63	51	43	38		49	42	37			48	42	37			47
9	60	47	39	34	59	47	39	34		46	39	34			45	38	34			44
10	56	44	36	31	55	43	36	31		42	36	31			41	35	31			40

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.9	4.2
10°-20°	552.9	11.8
20°-30°	822.5	17.6
30°-40°	957.1	20.4
40°-50°	933.0	19.9
50°-60°	717.6	15.3
60°-70°	396.7	8.5
70°-80°	105.1	2.2
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°	1570.3	33.6
0°-40°	2527.5	54.0
0°-60°	4178.0	89.3
0°-90°	4680.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4680.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2065	
5°	2053	195
15°	1958	553
25°	1786	823
35°	1537	957
45°	1210	933
55°	801	718
65°	398	397
75°	89	105
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2064.7
2.5°	2064.7
5°	2052.9
7.5°	2035.1
10°	2023.2
12.5°	1987.6
15°	1957.9
17.5°	1928.3
20°	1886.7
22.5°	1845.2
25°	1785.9
27.5°	1726.5
30°	1667.2
32.5°	1601.9
35°	1536.7
37.5°	1453.6
40°	1382.4
42.5°	1305.3
45°	1210.4
47.5°	1121.4
50°	1020.5
52.5°	913.7
55°	801.0
57.5°	694.2
60°	593.3
62.5°	492.4
65°	397.5
67.5°	308.5
70°	225.5
72.5°	154.3
75°	89.0
77.5°	41.5
80°	5.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)