

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: PORTFOLIO

Report Number: P204460

Luminaire Tested: **LE_6B15D010 EC6B10208035 6LBSB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204460
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: PORTFOLIO
Catalog Number: LE_6B15D010 EC6B10208035 6LBSB1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SPECULAR BLACK TRIM
WATTAGE D010TR-14.39 W DE010-14.29 W D5LT-14.34 W DMX-14.46 W DL2-15.8 W
DL3-15.28 W DLE-15.432 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1719.7 lumens
Efficiency: N/A
Efficacy: 120.3 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

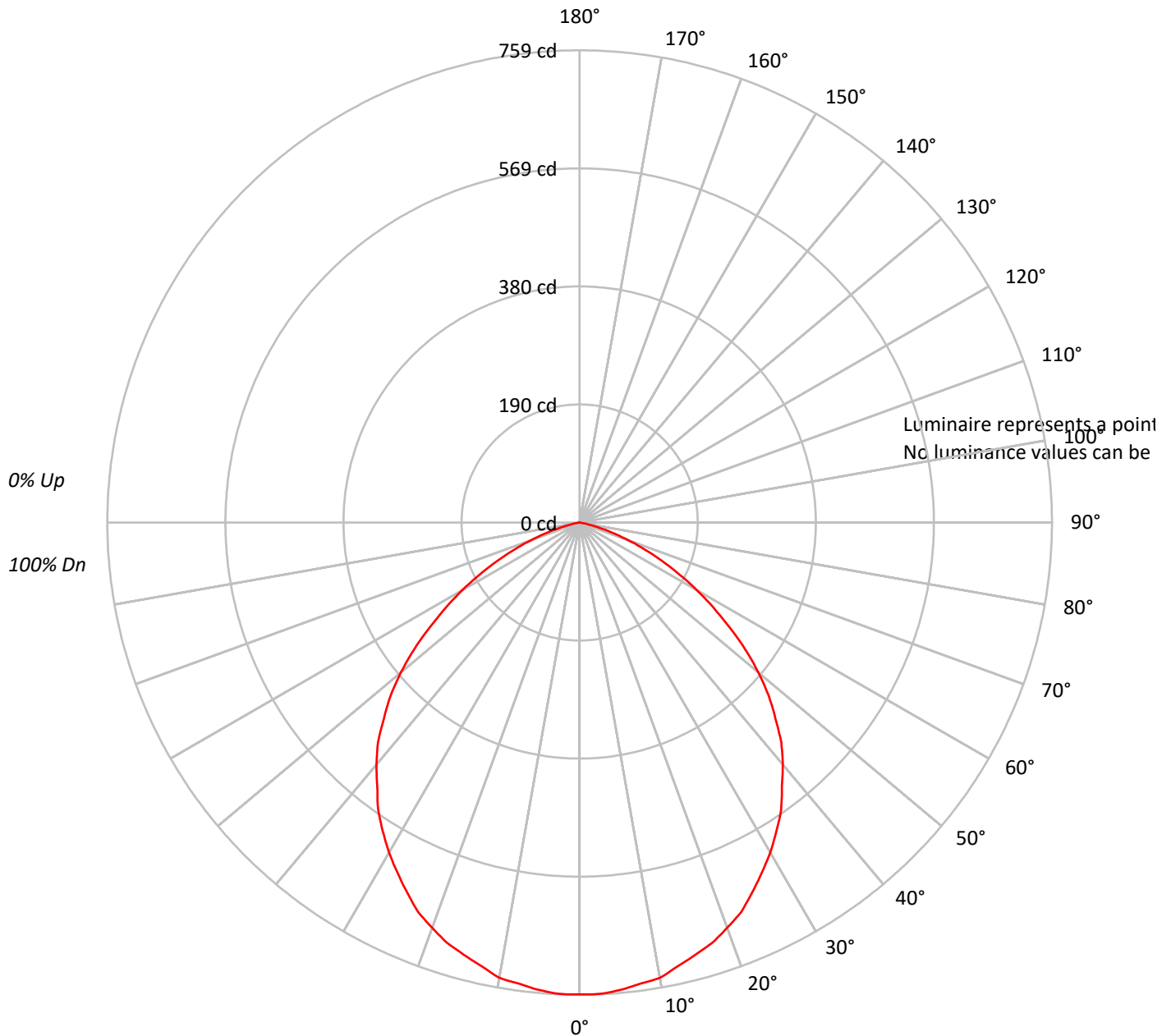
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





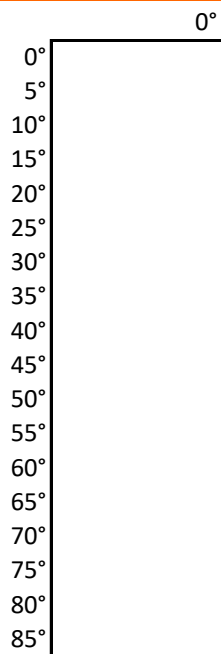
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	69		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°	71.6	4.2
10°-20°	203.2	11.8
20°-30°	302.2	17.6
30°-40°	351.7	20.4
40°-50°	342.8	19.9
50°-60°	263.6	15.3
60°-70°	145.7	8.5
70°-80°	38.6	2.2
80°-90°	0.3	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°	577.0	33.6
0°-40°	928.6	54.0
0°-60°	1535.0	89.3
0°-90°	1719.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1719.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	759	
5°	754	72
15°	719	203
25°	656	302
35°	565	352
45°	445	343
55°	294	264
65°	146	146
75°	33	39
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	758.6
2.5°	758.6
5°	754.2
7.5°	747.8
10°	743.4
12.5°	730.2
15°	719.4
17.5°	708.5
20°	693.2
22.5°	678.0
25°	656.1
27.5°	634.4
30°	612.5
32.5°	588.6
35°	564.6
37.5°	534.1
40°	507.9
42.5°	479.6
45°	444.8
47.5°	412.0
50°	374.9
52.5°	335.8
55°	294.2
57.5°	255.0
60°	218.0
62.5°	180.9
65°	146.0
67.5°	113.4
70°	82.9
72.5°	56.6
75°	32.8
77.5°	15.2
80°	2.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)