

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: P204878

Luminaire Tested: **LE_6B15D010 EC6B10209027 6LBCSMB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204878
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 EC6B10209027 6LBCSMB1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE 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: 1397.3 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

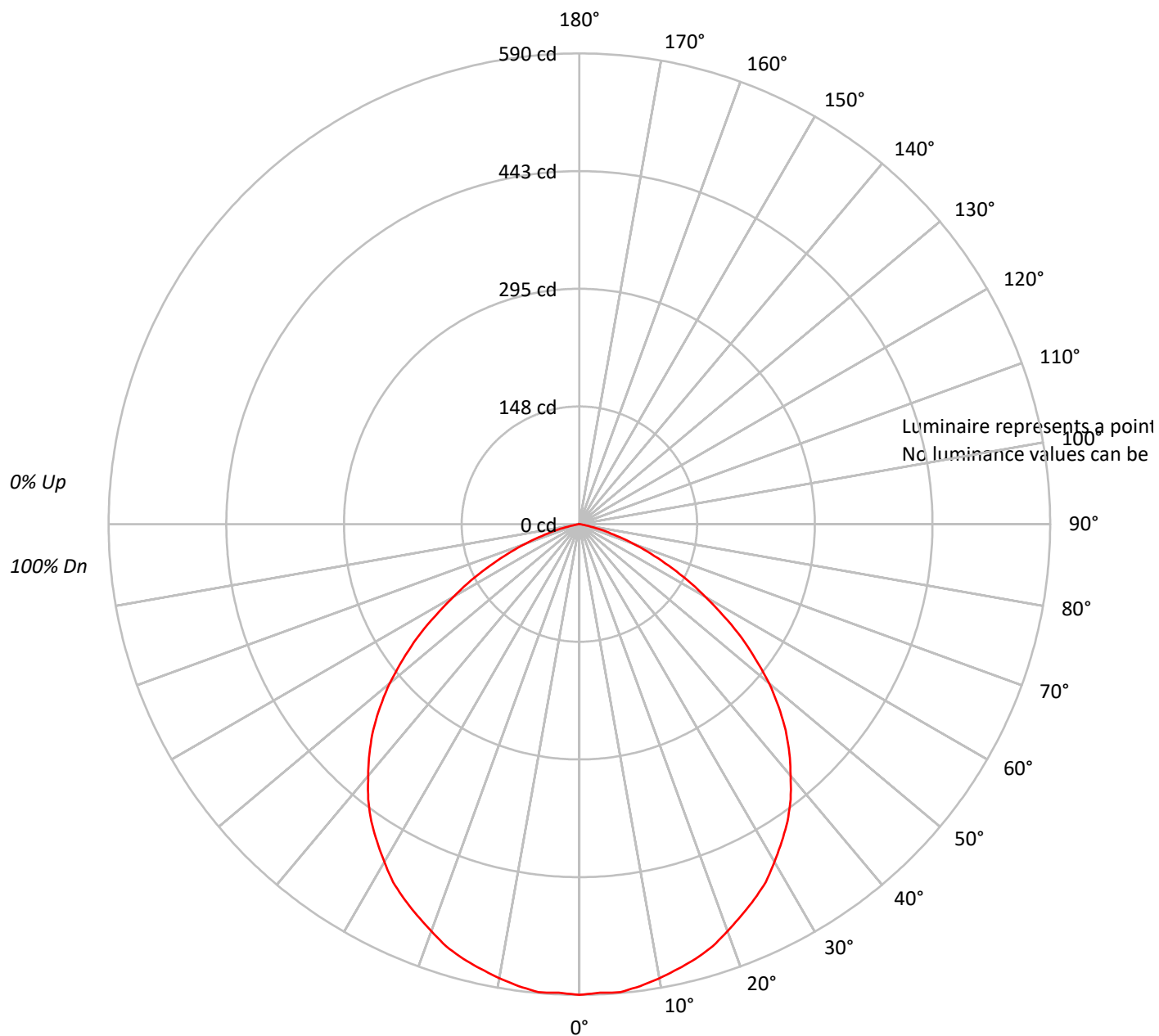
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





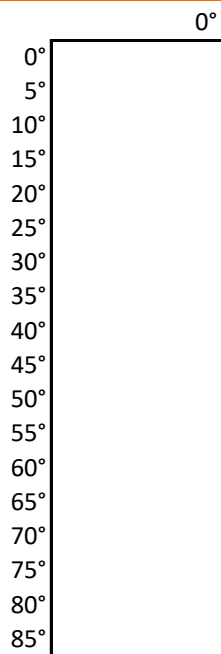
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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	104	101	98		100	98	95		96	94	92		93	91	90
2	102	95	89	84	99	93	87	83		89	85	81		86	82	79		83	80	77
3	93	84	77	71	91	83	76	70		80	74	69		77	72	68		74	70	67
4	86	75	67	61	84	74	66	61		71	65	60		69	63	59		67	62	58
5	79	67	59	53	77	66	59	53		64	57	52		62	56	52		61	55	51
6	74	61	53	47	72	60	52	46		58	51	46		57	50	46		55	50	45
7	68	55	47	41	67	55	47	41		53	46	41		52	45	41		50	45	40
8	64	51	43	37	62	50	42	37		49	42	37		48	41	37		46	41	36
9	60	47	39	33	58	46	39	33		45	38	33		44	38	33		43	37	33
10	56	43	35	30	55	43	35	30		42	35	30		41	34	30		40	34	30

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.8	4.0
10°-20°	159.0	11.4
20°-30°	239.0	17.1
30°-40°	283.6	20.3
40°-50°	280.6	20.1
50°-60°	220.4	15.8
60°-70°	123.6	8.8
70°-80°	34.7	2.5
80°-90°	0.5	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°	453.8	32.5
0°-40°	737.4	52.8
0°-60°	1238.5	88.6
0°-90°	1397.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1397.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	590	
5°	589	56
15°	564	159
25°	519	239
35°	455	284
45°	366	281
55°	248	220
65°	123	124
75°	30	35
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	590.0
2.5°	588.0
5°	589.0
7.5°	584.0
10°	578.0
12.5°	571.0
15°	564.0
17.5°	555.0
20°	542.9
22.5°	530.9
25°	518.9
27.5°	505.9
30°	488.9
32.5°	471.9
35°	454.8
37.5°	434.8
40°	411.8
42.5°	389.6
45°	365.6
47.5°	338.6
50°	310.5
52.5°	278.5
55°	248.4
57.5°	214.4
60°	182.4
62.5°	153.2
65°	123.2
67.5°	97.1
70°	72.1
72.5°	49.1
75°	30.0
77.5°	15.0
80°	4.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)