

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: METALUX

Report Number: P219265

Luminaire Tested: **14AC-LD5-20-UNV-L835-CD1-U**

Issue Date: 3/3/2020

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.

**Test Information**

Test Method: LM-79-08  
Report Number: P219265  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35608)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 14AC-LD5-20-UNV-L835-CD1-U  
Description: ACCORD 1x4 LED TROFFER

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

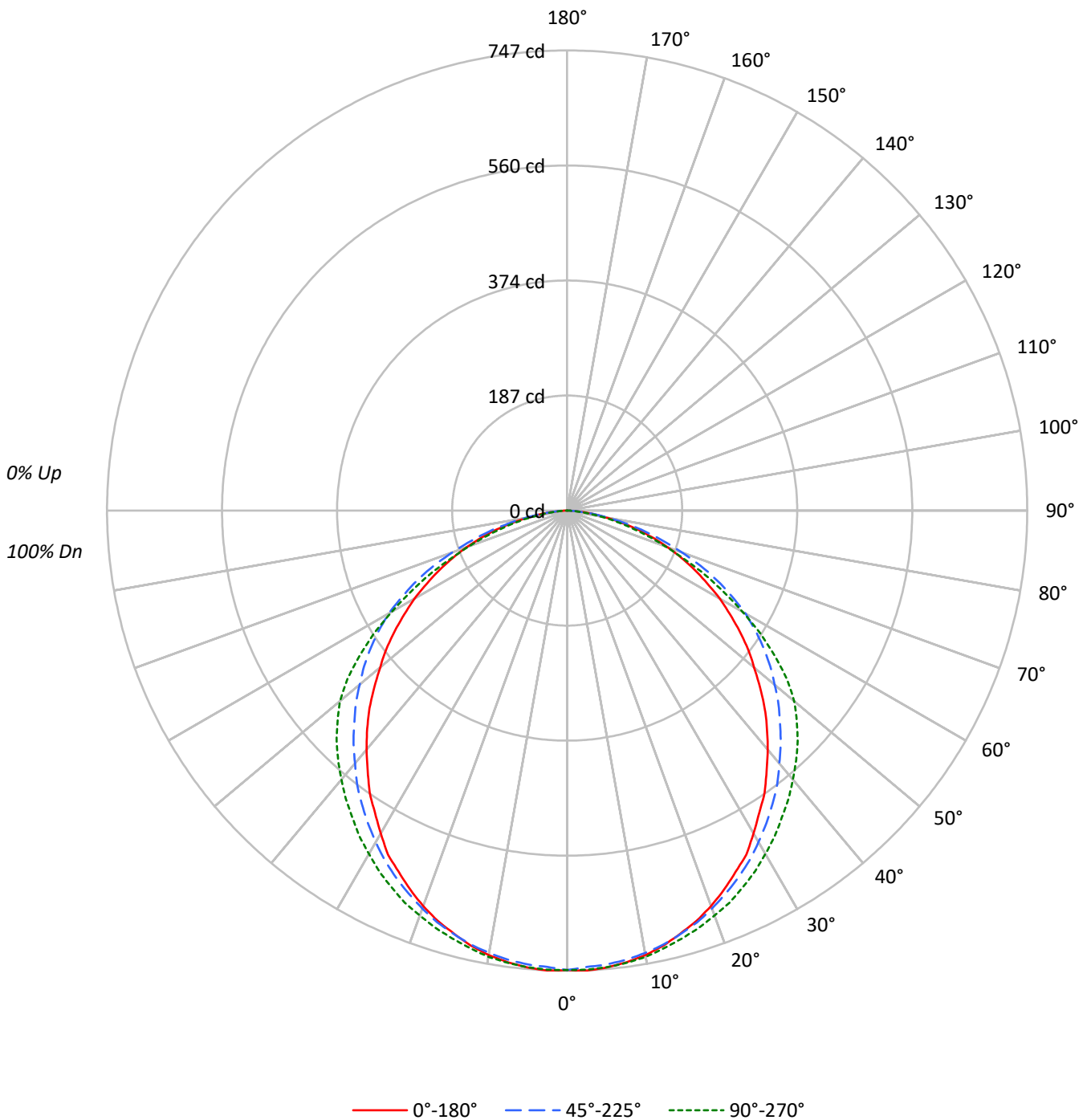
Lumens per Lamp: N/A  
Luminaire Lumens: 2068.5 lumens  
Efficiency: N/A  
Efficacy: 126.9 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.1')  
CIE Type: Direct

Input Watts (W): 16.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P219265  
CATALOG NUMBER: 14AC-LD5-20-UNV-L835-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P219265

CATALOG NUMBER: 14AC-LD5-20-UNV-L835-CD1-U

**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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	73	70
3	90	80	72	66	88	78	71	65	75	69	64	73	67	63	70	66	62	59
4	83	71	62	56	81	70	61	55	67	60	54	65	59	54	63	57	53	51
5	76	63	54	48	74	62	54	48	60	53	47	58	52	46	56	51	46	44
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	47	40	36	34
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	43	37	32	30
9	57	43	35	30	55	43	35	29	42	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2007	2007	2007
5°	2006	1982	1992
10°	1993	1962	1975
15°	1967	1937	1951
20°	1939	1908	1933
25°	1899	1875	1914
30°	1853	1837	1890
35°	1805	1798	1866
40°	1743	1752	1848
45°	1684	1709	1831
50°	1611	1665	1800
55°	1548	1622	1689
60°	1477	1561	1509
65°	1384	1440	1297
70°	1274	1253	1044
75°	1124	1021	812
80°	866	710	543
85°	548	304	206



TEST NUMBER: P219265

CATALOG NUMBER: 14AC-LD5-20-UNV-L835-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.6	3.4
10°-20°	201.6	9.7
20°-30°	304.2	14.7
30°-40°	364.7	17.6
40°-50°	378.5	18.3
50°-60°	341.7	16.5
60°-70°	248.9	12.0
70°-80°	130.5	6.3
80°-90°	27.9	1.3
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°	576.4	27.9
0°-40°	941.1	45.5
0°-60°	1661.3	80.3
0°-90°	2068.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2068.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	746	746	746	746	746	
5°	744	743	740	744	744	71
15°	711	711	712	720	719	201
25°	647	650	657	672	675	298
35°	559	564	581	603	608	349
45°	454	464	489	519	529	349
55°	342	354	389	412	412	306
65°	229	243	269	257	247	227
75°	118	135	131	113	107	124
85°	23	27	20	15	14	29
90°	0	0	0	0	0	



TEST NUMBER: P219265

CATALOG NUMBER: 14AC-LD5-20-UNV-L835-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	745.9	745.9	745.9	745.9	745.9
2.5°	747.4	745.4	741.5	746.4	745.9
5°	744.4	743.0	739.5	744.4	744.0
7.5°	739.5	738.5	735.5	741.0	740.5
10°	732.6	731.1	729.1	735.1	735.5
12.5°	723.2	722.7	721.7	728.1	727.6
15°	710.8	710.8	711.8	719.7	719.2
17.5°	698.4	698.4	700.9	709.8	710.3
20°	683.1	684.1	687.6	698.4	699.4
22.5°	665.8	666.8	672.7	686.6	689.0
25°	647.0	650.5	657.4	671.7	674.7
27.5°	629.7	630.2	640.6	656.4	660.4
30°	605.0	611.9	621.3	639.6	643.5
32.5°	580.7	587.6	602.0	621.8	627.2
35°	559.0	564.4	581.2	603.0	607.9
37.5°	531.7	540.7	560.4	583.2	590.1
40°	506.5	514.4	535.7	561.4	570.3
42.5°	480.3	489.2	513.4	541.1	550.1
45°	453.6	463.5	488.7	519.4	529.3
47.5°	424.4	436.8	465.5	496.6	505.5
50°	396.2	409.1	439.7	472.4	481.3
52.5°	370.5	381.9	415.5	445.7	449.6
55°	341.8	353.7	389.3	412.5	411.5
57.5°	313.1	326.5	362.1	376.4	372.5
60°	286.4	298.8	334.4	337.4	328.9
62.5°	256.7	271.1	301.2	296.8	286.4
65°	229.0	242.9	269.1	256.7	247.3
67.5°	200.8	215.7	234.5	216.2	205.3
70°	173.1	190.9	197.9	178.1	169.2
72.5°	144.9	163.7	163.2	144.4	137.0
75°	118.2	135.0	130.6	112.8	107.3
77.5°	90.0	106.8	98.4	85.1	80.1
80°	63.8	79.6	68.8	58.4	54.9
82.5°	43.5	52.9	43.0	34.1	32.6
85°	22.8	27.2	19.8	15.3	14.3
87.5°	8.4	7.9	6.9	6.4	6.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)