

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: P219269

Luminaire Tested: **14AC-LD5-25-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: P219269
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-LD5-25-UNV-L835-CD1-U
Description: ACCORD 1x4 LED TROFFER

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

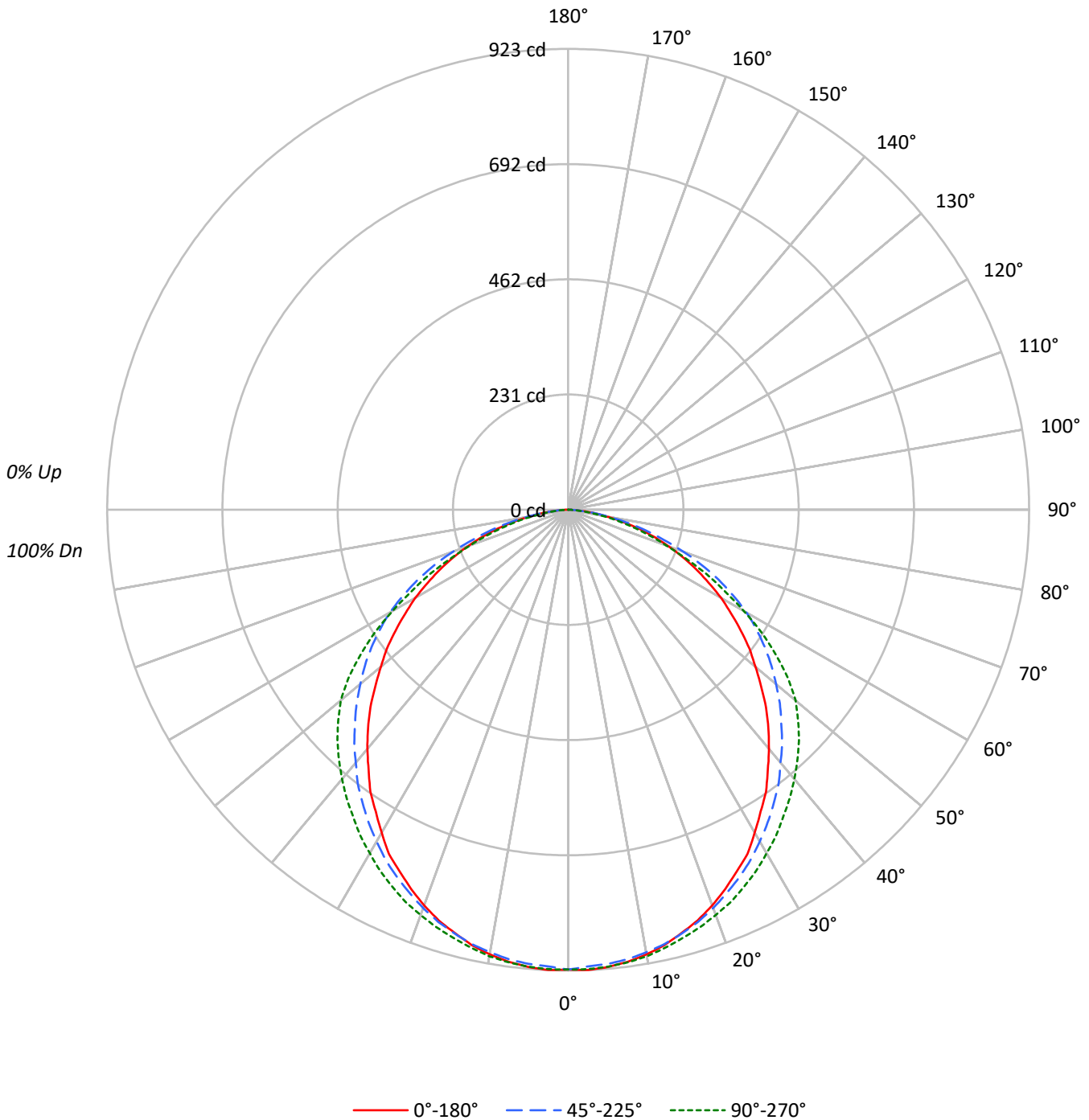
Lumens per Lamp: N/A
Luminaire Lumens: 2554.1 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.1')
CIE Type: Direct

Input Watts (W): 20.46
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	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°	2478	2478	2478
5°	2478	2448	2460
10°	2461	2422	2439
15°	2429	2392	2409
20°	2393	2355	2386
25°	2345	2315	2363
30°	2288	2268	2334
35°	2228	2220	2304
40°	2152	2163	2282
45°	2080	2110	2261
50°	1989	2057	2223
55°	1912	2002	2086
60°	1824	1927	1863
65°	1709	1778	1601
70°	1574	1547	1289
75°	1388	1260	1003
80°	1070	876	670
85°	675	375	255



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.1	3.4
10°-20°	248.9	9.7
20°-30°	375.6	14.7
30°-40°	450.3	17.6
40°-50°	467.3	18.3
50°-60°	421.9	16.5
60°-70°	307.3	12.0
70°-80°	161.2	6.3
80°-90°	34.5	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°	711.6	27.9
0°-40°	1162.0	45.5
0°-60°	2051.2	80.3
0°-90°	2554.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2554.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	921	921	921	921	921	
5°	919	917	913	919	919	87
15°	878	878	879	889	888	248
25°	799	803	812	829	833	368
35°	690	697	718	744	751	430
45°	560	572	603	641	654	431
55°	422	437	481	509	508	377
65°	283	300	332	317	305	280
75°	146	167	161	139	132	154
85°	28	34	24	19	18	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	921.0	921.0	921.0	921.0	921.0
2.5°	922.8	920.4	915.5	921.6	921.0
5°	919.2	917.3	913.1	919.2	918.6
7.5°	913.1	911.9	908.2	914.9	914.3
10°	904.5	902.7	900.2	907.6	908.2
12.5°	892.9	892.3	891.1	899.0	898.4
15°	877.7	877.7	878.9	888.6	888.0
17.5°	862.4	862.4	865.4	876.4	877.0
20°	843.4	844.7	848.9	862.4	863.6
22.5°	822.1	823.3	830.6	847.7	850.8
25°	798.9	803.1	811.7	829.4	833.1
27.5°	777.5	778.1	790.9	810.5	815.4
30°	746.9	755.5	767.1	789.7	794.6
32.5°	717.0	725.6	743.3	767.7	774.4
35°	690.1	696.9	717.6	744.5	750.6
37.5°	656.6	667.6	692.0	720.1	728.6
40°	625.4	635.2	661.4	693.2	704.2
42.5°	593.0	604.0	634.0	668.2	679.2
45°	560.1	572.3	603.4	641.3	653.5
47.5°	524.0	539.3	574.7	613.2	624.2
50°	489.2	505.1	543.0	583.3	594.3
52.5°	457.5	471.5	513.0	550.3	555.2
55°	422.0	436.7	480.7	509.4	508.1
57.5°	386.6	403.1	447.1	464.8	459.9
60°	353.6	368.9	412.9	416.5	406.2
62.5°	317.0	334.7	371.9	366.5	353.6
65°	282.8	299.9	332.2	317.0	305.4
67.5°	248.0	266.3	289.5	266.9	253.5
70°	213.8	235.8	244.3	219.9	208.9
72.5°	179.0	202.2	201.5	178.3	169.2
75°	146.0	166.7	161.2	139.3	132.5
77.5°	111.2	131.9	121.5	105.0	98.9
80°	78.8	98.3	84.9	72.1	67.8
82.5°	53.7	65.4	53.1	42.1	40.3
85°	28.1	33.6	24.4	18.9	17.7
87.5°	10.4	9.8	8.6	7.9	7.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)