

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: P183768

Luminaire Tested: **24SR-LD2-29-C-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P183768
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34443)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24SR-LD2-29-C-UNV-L835-CD1-U
Description: METALUX SKYRIDGE EDGELIT LED 2X4 TROFFER

Light Source: EATON LED 3500K
Ballast/Driver: OSRAM ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2928.0 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.52 / 1.48
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

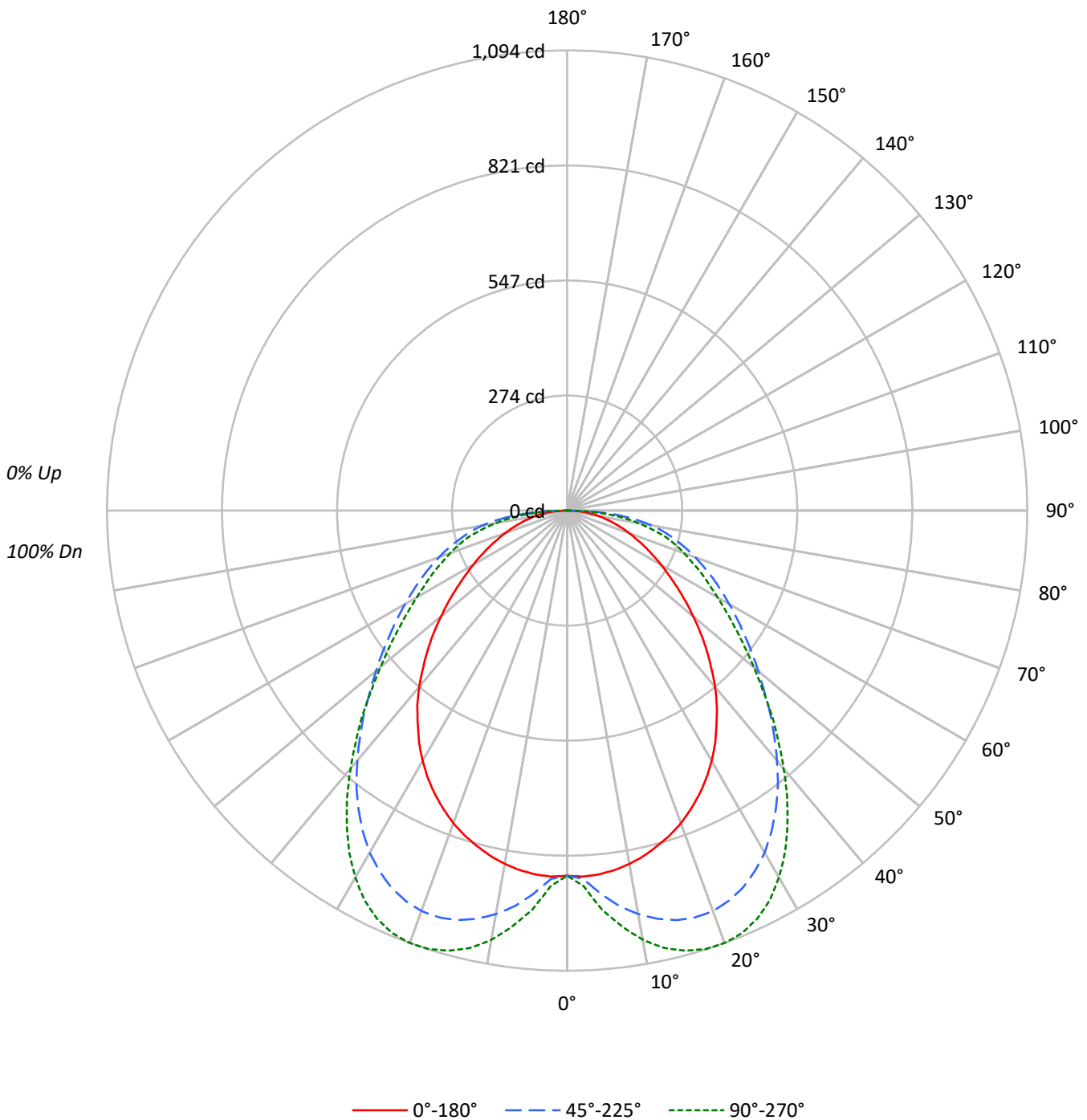
Input Watts (W): 22.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	103	98	94	105	101	96	93	96	93	90		92	89	87		89	86	84	82
2	98	89	82	76	95	87	81	75	84	78	74		81	76	72		78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62		71	65	61		68	64	60	57
4	82	70	61	54	79	68	60	53	66	58	53		63	57	52		61	56	51	49
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55	49	45	42
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	35		47	40	35		46	40	35	33
8	60	46	38	32	59	46	38	32	44	37	32		43	36	32		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29		40	33	28		39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1168	1168	1168
5°	1172	1234	1286
10°	1165	1331	1415
15°	1151	1404	1509
20°	1133	1450	1566
25°	1105	1468	1589
30°	1067	1459	1565
35°	1017	1421	1500
40°	961	1363	1407
45°	892	1300	1309
50°	818	1241	1212
55°	751	1206	1145
60°	694	1197	1111
65°	649	1219	1121
70°	618	1275	1164
75°	598	1383	1263
80°	604	1588	1333
85°	633	1853	1451



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.7	3.0
10°-20°	279.3	9.5
20°-30°	440.9	15.1
30°-40°	516.6	17.6
40°-50°	494.3	16.9
50°-60°	421.2	14.4
60°-70°	338.0	11.5
70°-80°	244.6	8.4
80°-90°	104.5	3.6
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°	808.9	27.6
0°-40°	1325.5	45.3
0°-60°	2240.9	76.5
0°-90°	2928.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2928.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	868	868	868	868	868	
5°	868	884	914	946	952	82
15°	826	925	1008	1068	1083	233
25°	744	887	989	1056	1070	342
35°	619	771	865	911	913	387
45°	469	606	683	692	688	361
55°	320	456	514	500	488	287
65°	204	343	383	358	352	203
75°	115	243	266	245	243	122
85°	41	122	120	99	94	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	868	868	868	868	868
2.5°	871	872	876	893	893
5°	868	884	914	946	952
7.5°	862	898	948	989	997
10°	853	913	974	1024	1036
12.5°	841	922	994	1051	1065
15°	826	925	1008	1068	1083
17.5°	810	924	1014	1078	1093
20°	791	916	1013	1080	1094
22.5°	768	905	1004	1072	1087
25°	744	887	989	1056	1070
27.5°	717	866	966	1031	1044
30°	687	839	939	997	1007
32.5°	655	807	904	957	964
35°	619	771	865	911	913
37.5°	585	732	823	860	859
40°	547	690	776	806	801
42.5°	507	648	729	750	743
45°	469	606	683	692	688
47.5°	430	564	635	642	630
50°	391	526	593	590	579
52.5°	355	491	553	544	532
55°	320	456	514	500	488
57.5°	287	425	479	460	449
60°	258	395	445	423	413
62.5°	230	368	413	390	380
65°	204	343	383	358	352
67.5°	179	318	353	329	322
70°	157	292	324	300	296
72.5°	135	268	295	273	270
75°	115	243	266	245	243
77.5°	95	216	237	212	207
80°	78	189	205	176	172
82.5°	59	156	164	138	136
85°	41	122	120	99	94
87.5°	22	73	64	51	49
90°	0	0	0	0	0

(END OF REPORT)