

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: P183883

Luminaire Tested: **22SR-LD2-25-S-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P183883
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P32591)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22SR-LD2-25-S-UNV-L835-CD1-U
Description: METALUX SKYRIDGE EDGELIT LED 2X2 TROFFER

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2570.6 lumens
Efficiency: N/A
Efficacy: 131.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.61 / 1.54
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

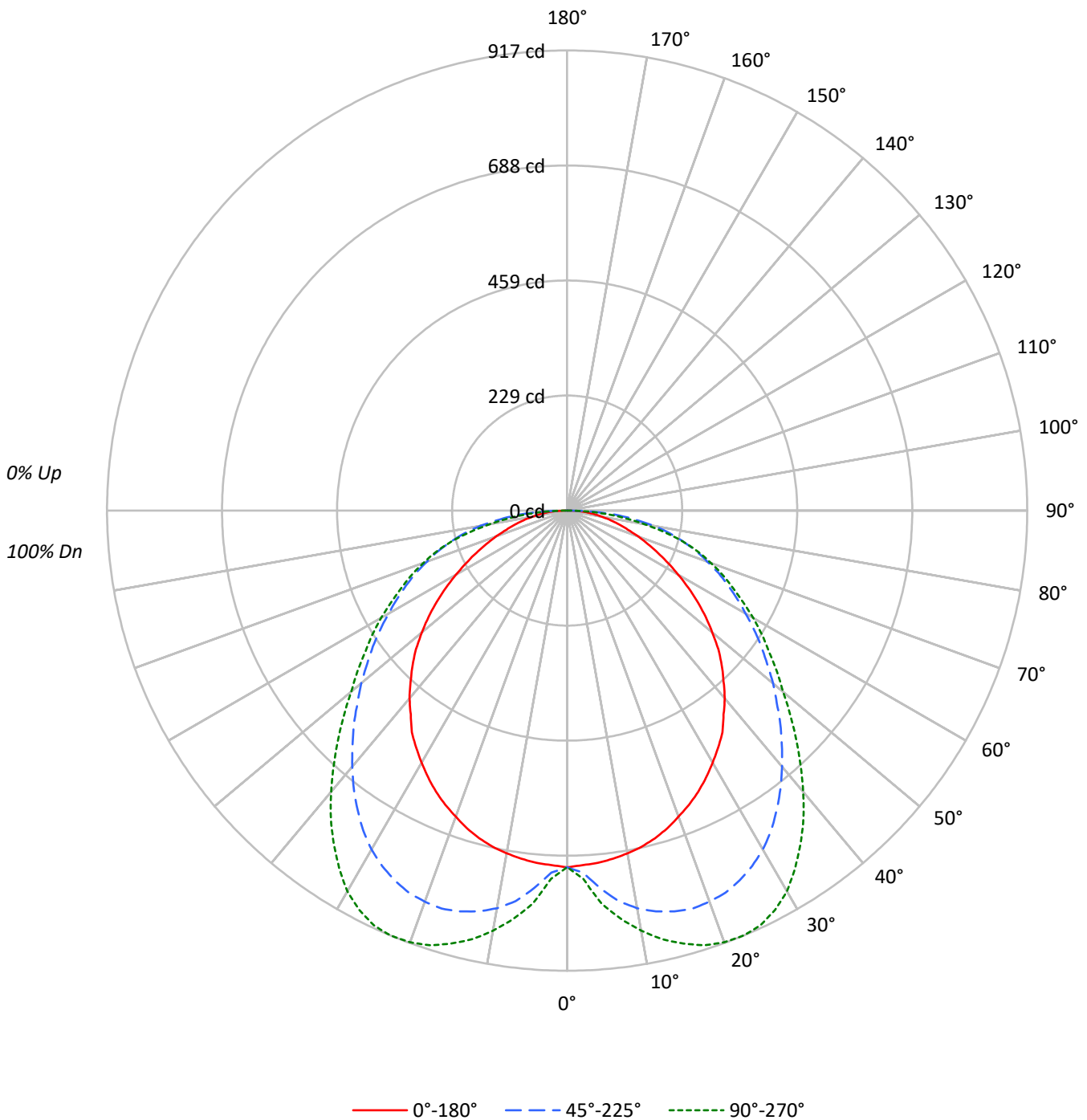
Input Watts (W): 19.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	96	92	96	93	89		92	89	87		88	86	84	82
2	98	89	82	76	95	87	80	75	83	78	73		80	75	71		77	73	70	67
3	89	78	69	62	86	76	68	62	73	66	61		70	65	60		68	63	59	56
4	81	69	60	53	79	67	59	52	65	57	52		63	56	51		60	55	50	48
5	75	61	52	45	72	60	52	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	46	39	52	45	39		51	44	38		49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	34		46	39	34		45	39	34	32
8	59	46	37	31	58	45	37	31	43	36	31		42	35	30		41	35	30	28
9	55	42	33	28	54	41	33	28	40	33	28		39	32	27		38	32	27	25
10	52	39	30	25	51	38	30	25	37	30	25		36	29	25		35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1913	1913	1913
5°	1903	2040	2123
10°	1895	2199	2323
15°	1884	2303	2489
20°	1859	2375	2622
25°	1836	2415	2708
30°	1802	2423	2723
35°	1772	2392	2663
40°	1717	2341	2571
45°	1658	2287	2456
50°	1581	2242	2351
55°	1488	2217	2304
60°	1375	2211	2305
65°	1273	2255	2318
70°	1184	2340	2398
75°	1117	2502	2489
80°	1071	2715	2428
85°	1183	2973	2399



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.8	2.8
10°-20°	229.2	8.9
20°-30°	365.6	14.2
30°-40°	440.1	17.1
40°-50°	441.4	17.2
50°-60°	394.6	15.4
60°-70°	319.7	12.4
70°-80°	222.6	8.7
80°-90°	84.6	3.3
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°	667.6	26.0
0°-40°	1107.7	43.1
0°-60°	1943.7	75.6
0°-90°	2570.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2570.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	711	711	711	711	711	
5°	705	721	755	780	786	67
15°	676	755	827	876	893	191
25°	618	716	813	886	912	285
35°	539	624	728	792	811	336
45°	436	510	601	637	645	335
55°	317	397	473	487	491	283
65°	200	292	354	359	364	199
75°	107	197	241	239	239	114
85°	38	85	96	83	78	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	710.8	710.8	710.8	710.8	710.8
2.5°	707.1	710.8	721.9	731.8	734.2
5°	704.6	720.7	755.2	779.9	786.1
7.5°	699.7	733.0	784.8	810.7	820.6
10°	693.5	746.6	804.6	837.9	850.2
12.5°	686.1	755.2	818.2	860.1	874.9
15°	676.2	755.2	826.8	876.2	893.4
17.5°	663.9	751.5	831.7	887.3	908.2
20°	649.1	744.1	829.3	893.4	915.6
22.5°	634.3	731.8	824.3	893.4	916.9
25°	618.2	715.7	813.2	886.0	911.9
27.5°	599.7	697.2	798.4	872.4	897.1
30°	580.0	675.0	779.9	852.7	876.2
32.5°	560.2	650.3	756.5	825.6	845.3
35°	539.3	624.4	728.1	792.2	810.7
37.5°	512.1	594.8	698.5	756.5	773.7
40°	488.7	567.6	666.4	718.2	731.8
42.5°	461.5	538.0	633.1	677.5	688.6
45°	435.6	509.6	601.0	636.8	645.4
47.5°	408.5	480.0	566.4	596.0	603.4
50°	377.6	451.6	535.6	560.2	561.5
52.5°	348.0	424.5	502.2	522.0	526.9
55°	317.1	397.4	472.6	487.4	491.1
57.5°	286.3	371.4	441.8	454.1	460.3
60°	255.4	344.3	410.9	422.0	428.2
62.5°	227.1	318.4	382.5	389.9	394.9
65°	199.9	292.5	354.2	359.1	364.0
67.5°	174.0	269.0	327.0	329.5	335.7
70°	150.5	245.6	297.4	299.9	304.8
72.5°	127.1	220.9	270.2	269.0	274.0
75°	107.4	197.4	240.6	239.4	239.4
77.5°	88.8	172.8	209.8	202.4	198.7
80°	69.1	146.8	175.2	160.4	156.7
82.5°	54.3	117.2	135.7	120.9	117.2
85°	38.3	85.1	96.3	82.7	77.7
87.5°	19.7	45.7	49.4	42.0	35.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)