

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: P289729

Luminaire Tested: **8SSRK-12-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289729
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-11)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-12-L835-CD1-U
Description: 12000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 80 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12379.6 lumens
Efficiency: N/A
Efficacy: 153.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

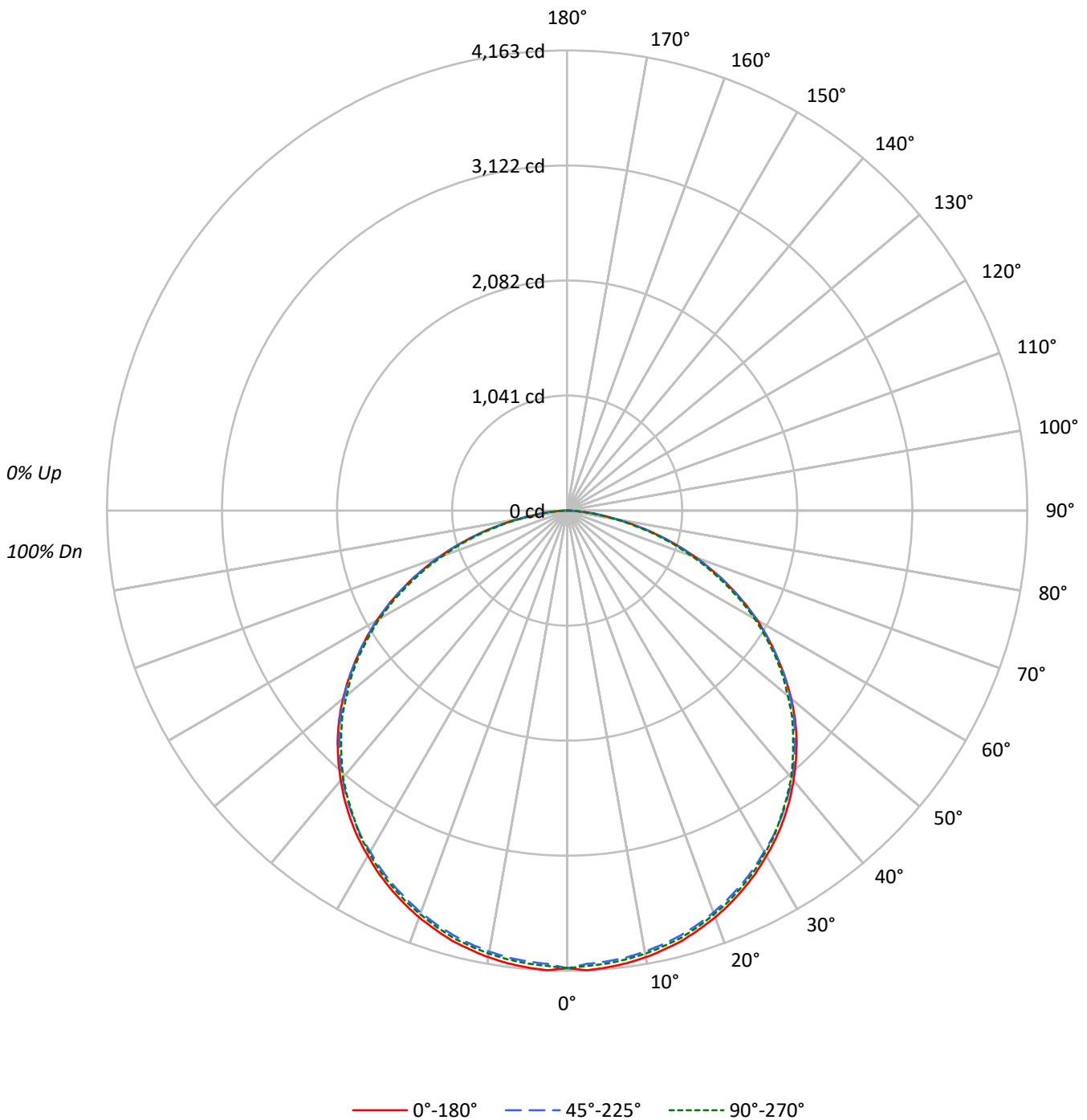
Input Watts (W): 80.8951
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84					84			
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37					37			
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	37	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	133645	133645	133645
5°	134264	106303	98758
10°	134053	88489	78272
15°	133884	75460	64522
20°	133543	65344	54389
25°	133226	57171	46627
30°	132888	50318	40316
35°	132631	44563	34995
40°	132010	39384	30516
45°	131342	34645	26406
50°	129784	30200	22684
55°	126970	25867	19284
60°	123820	21654	15970
65°	118517	17459	12612
70°	110931	13193	9417
75°	97496	9020	6373
80°	77151	5038	3440
85°	49675	1821	1133



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.2	3.2
10°-20°	1130.1	9.1
20°-30°	1731.8	14.0
30°-40°	2122.9	17.1
40°-50°	2249.0	18.2
50°-60°	2073.6	16.8
60°-70°	1593.6	12.9
70°-80°	883.2	7.1
80°-90°	203.2	1.6
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°	3254.1	26.3
0°-40°	5377.0	43.4
0°-60°	9699.6	78.4
0°-90°	12379.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12379.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4139	4139	4139	4139	4139	
5°	4150	4132	4095	4135	4113	395
15°	4027	4008	3977	4012	3999	1137
25°	3776	3762	3732	3770	3750	1741
35°	3414	3397	3381	3393	3374	2136
45°	2936	2926	2916	2912	2891	2262
55°	2322	2340	2325	2316	2299	2077
65°	1620	1624	1622	1600	1581	1602
75°	842	844	839	826	814	891
85°	166	169	165	156	143	206
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4138.7	4138.7	4138.7	4138.7	4138.7
2.5°	4163.2	4142.8	4104.7	4142.8	4123.8
5°	4149.6	4131.9	4095.2	4134.6	4112.9
7.5°	4130.6	4115.6	4078.9	4117.0	4095.2
10°	4103.3	4087.0	4051.6	4092.5	4070.7
12.5°	4066.6	4051.6	4017.6	4055.7	4036.7
15°	4027.2	4008.1	3976.8	4012.2	3998.6
17.5°	3972.7	3957.8	3926.5	3960.5	3945.5
20°	3915.6	3900.6	3869.3	3903.4	3887.0
22.5°	3850.3	3835.3	3802.7	3839.4	3823.1
25°	3775.5	3761.9	3731.9	3770.0	3749.6
27.5°	3696.6	3685.7	3653.0	3684.3	3672.1
30°	3606.8	3600.0	3564.6	3589.1	3578.2
32.5°	3515.6	3503.4	3478.9	3497.9	3487.0
35°	3413.6	3397.2	3380.9	3393.2	3374.1
37.5°	3304.7	3293.8	3276.1	3287.0	3265.3
40°	3186.4	3176.8	3163.2	3165.9	3153.7
42.5°	3063.9	3053.0	3042.1	3036.7	3023.1
45°	2936.0	2926.5	2915.6	2911.5	2891.1
47.5°	2797.2	2790.4	2783.6	2774.1	2759.1
50°	2647.6	2650.3	2638.1	2629.9	2604.0
52.5°	2487.0	2503.4	2485.7	2473.4	2458.5
55°	2322.4	2340.1	2325.1	2315.6	2299.3
57.5°	2159.2	2167.3	2157.8	2151.0	2129.2
60°	1986.4	1993.2	1986.4	1971.4	1960.5
62.5°	1808.1	1816.3	1802.7	1791.8	1776.8
65°	1620.4	1624.5	1621.7	1600.0	1580.9
67.5°	1431.3	1438.1	1429.9	1414.9	1395.9
70°	1242.2	1238.1	1231.3	1220.4	1195.9
72.5°	1042.2	1042.2	1040.8	1020.4	1008.2
75°	842.2	843.5	839.4	825.8	813.6
77.5°	642.2	657.1	646.3	632.6	619.0
80°	463.9	473.5	463.9	446.3	438.1
82.5°	296.6	310.2	302.0	284.4	281.6
85°	166.0	168.7	164.6	156.5	142.9
87.5°	62.6	65.3	66.7	54.4	47.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)