

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: P289682

Luminaire Tested: **4SSRK-80-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289682
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: 4SSRK-80-L840-CD1-U
Description: 8000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 80 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9099.1 lumens
Efficiency: N/A
Efficacy: 144.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

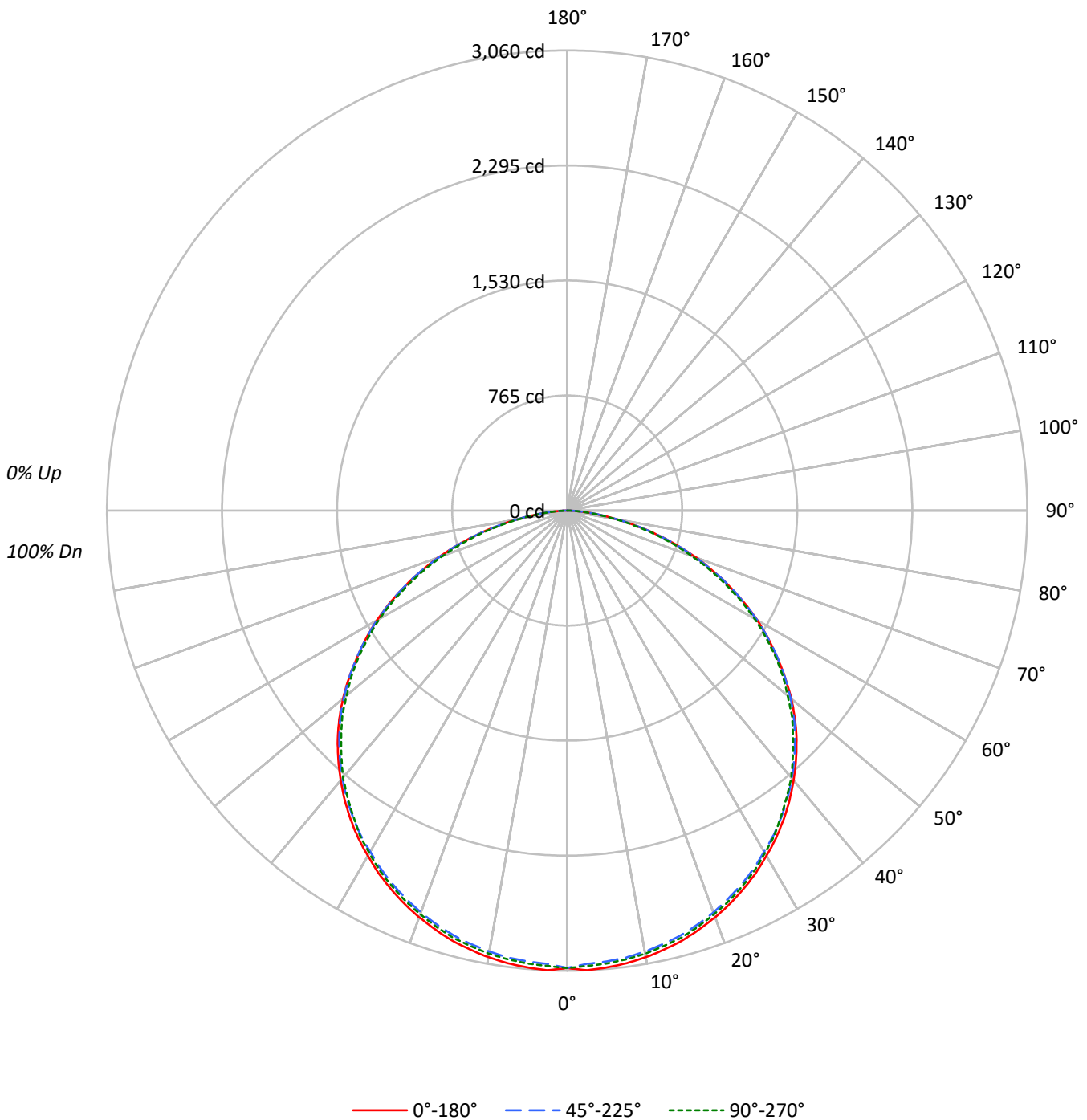
Input Watts (W): 62.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	196461	196461	196461
5°	197012	156106	145176
10°	196345	129857	115061
15°	195724	110680	94848
20°	194844	95806	79953
25°	193976	83795	68543
30°	193052	73730	59265
35°	192205	65283	51443
40°	190777	57684	44859
45°	189215	50735	38817
50°	186271	44218	33346
55°	181408	37869	28348
60°	175889	31695	23477
65°	167075	25553	18540
70°	154691	19305	13843
75°	133672	13198	9368
80°	102583	7370	5056
85°	61238	2663	1665



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.3	3.2
10°-20°	830.6	9.1
20°-30°	1272.9	14.0
30°-40°	1560.3	17.1
40°-50°	1653.0	18.2
50°-60°	1524.1	16.8
60°-70°	1171.3	12.9
70°-80°	649.2	7.1
80°-90°	149.3	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°	2391.8	26.3
0°-40°	3952.2	43.4
0°-60°	7129.3	78.4
0°-90°	9099.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9099.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3042	3042	3042	3042	3042	
5°	3050	3037	3010	3039	3023	290
15°	2960	2946	2923	2949	2939	835
25°	2775	2765	2743	2771	2756	1280
35°	2509	2497	2485	2494	2480	1570
45°	2158	2151	2143	2140	2125	1663
55°	1707	1720	1709	1702	1690	1527
65°	1191	1194	1192	1176	1162	1177
75°	619	620	617	607	598	655
85°	122	124	121	115	105	151
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3042	3042	3042	3042	3042
2.5°	3060	3045	3017	3045	3031
5°	3050	3037	3010	3039	3023
7.5°	3036	3025	2998	3026	3010
10°	3016	3004	2978	3008	2992
12.5°	2989	2978	2953	2981	2967
15°	2960	2946	2923	2949	2939
17.5°	2920	2909	2886	2911	2900
20°	2878	2867	2844	2869	2857
22.5°	2830	2819	2795	2822	2810
25°	2775	2765	2743	2771	2756
27.5°	2717	2709	2685	2708	2699
30°	2651	2646	2620	2638	2630
32.5°	2584	2575	2557	2571	2563
35°	2509	2497	2485	2494	2480
37.5°	2429	2421	2408	2416	2400
40°	2342	2335	2325	2327	2318
42.5°	2252	2244	2236	2232	2222
45°	2158	2151	2143	2140	2125
47.5°	2056	2051	2046	2039	2028
50°	1946	1948	1939	1933	1914
52.5°	1828	1840	1827	1818	1807
55°	1707	1720	1709	1702	1690
57.5°	1587	1593	1586	1581	1565
60°	1460	1465	1460	1449	1441
62.5°	1329	1335	1325	1317	1306
65°	1191	1194	1192	1176	1162
67.5°	1052	1057	1051	1040	1026
70°	913	910	905	897	879
72.5°	766	766	765	750	741
75°	619	620	617	607	598
77.5°	472	483	475	465	455
80°	341	348	341	328	322
82.5°	218	228	222	209	207
85°	122	124	121	115	105
87.5°	46	48	49	40	35
90°	0	0	0	0	0

(END OF REPORT)