

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: P289720

Luminaire Tested: **8SSRK-10-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289720  
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-10-L830-CD1-U  
Description: 10000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 80 CRI 3000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10959.2 lumens  
Efficiency: N/A  
Efficacy: 152.4 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

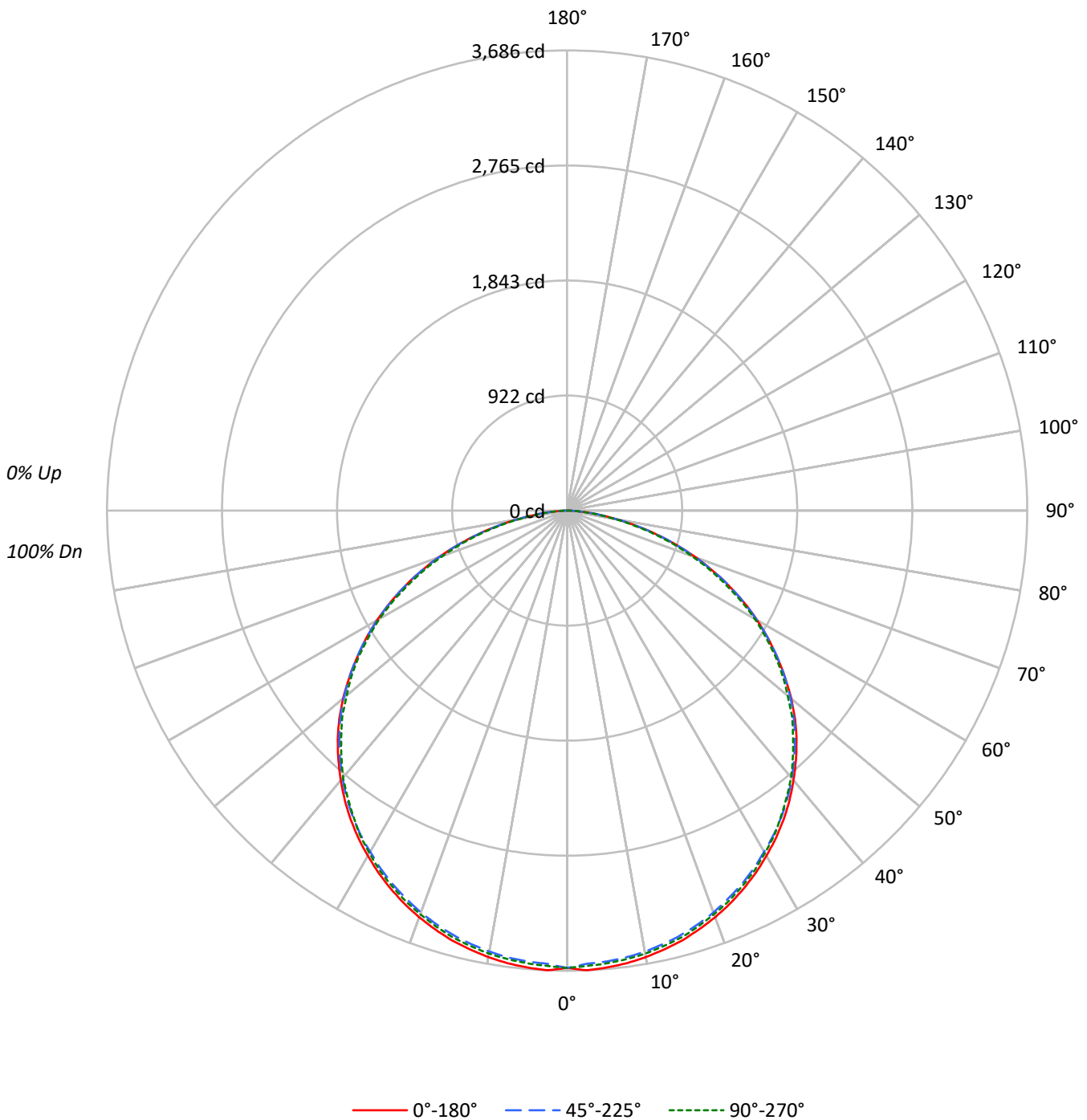
Input Watts (W): 71.9151  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	118313	118313	118313
5°	118859	94105	87427
10°	118672	78338	69290
15°	118522	66802	57119
20°	118219	57848	48148
25°	117939	50611	41278
30°	117639	44544	35689
35°	117412	39450	30980
40°	116864	34865	27015
45°	116275	30671	23376
50°	114892	26735	20082
55°	112405	22900	17072
60°	109614	19170	14138
65°	104920	15457	11164
70°	98197	11679	8337
75°	86302	7985	5641
80°	68303	4460	3045
85°	43959	1612	1003



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	347.2	3.2
10°-20°	1000.4	9.1
20°-30°	1533.1	14.0
30°-40°	1879.3	17.1
40°-50°	1990.9	18.2
50°-60°	1835.7	16.8
60°-70°	1410.7	12.9
70°-80°	781.9	7.1
80°-90°	179.9	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°	2880.8	26.3
0°-40°	4760.1	43.4
0°-60°	8586.7	78.4
0°-90°	10959.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10959.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3664	3664	3664	3664	3664	
5°	3674	3658	3625	3660	3641	349
15°	3565	3548	3520	3552	3540	1006
25°	3342	3330	3304	3338	3319	1541
35°	3022	3008	2993	3004	2987	1890
45°	2599	2591	2581	2578	2559	2003
55°	2056	2072	2058	2050	2036	1839
65°	1434	1438	1436	1416	1400	1418
75°	746	747	743	731	720	789
85°	147	149	146	138	126	182
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3663.9	3663.9	3663.9	3663.9	3663.9
2.5°	3685.5	3667.5	3633.8	3667.5	3650.6
5°	3673.5	3657.8	3625.3	3660.2	3641.0
7.5°	3656.6	3643.4	3610.9	3644.6	3625.3
10°	3632.5	3618.1	3586.8	3622.9	3603.6
12.5°	3600.0	3586.8	3556.7	3590.4	3573.5
15°	3565.1	3548.2	3520.5	3551.9	3539.8
17.5°	3516.9	3503.7	3476.0	3506.1	3492.8
20°	3466.3	3453.1	3425.4	3455.5	3441.0
22.5°	3408.5	3395.3	3366.4	3398.9	3384.4
25°	3342.3	3330.2	3303.7	3337.5	3319.4
27.5°	3272.4	3262.8	3233.9	3261.6	3250.7
30°	3192.9	3186.9	3155.6	3177.3	3167.6
32.5°	3112.2	3101.4	3079.7	3096.6	3086.9
35°	3021.9	3007.5	2993.0	3003.8	2987.0
37.5°	2925.5	2915.9	2900.3	2909.9	2890.6
40°	2820.8	2812.3	2800.3	2802.7	2791.9
42.5°	2712.4	2702.7	2693.1	2688.3	2676.2
45°	2599.2	2590.7	2581.1	2577.5	2559.4
47.5°	2476.3	2470.3	2464.3	2455.8	2442.6
50°	2343.8	2346.2	2335.4	2328.2	2305.3
52.5°	2201.7	2216.1	2200.5	2189.6	2176.4
55°	2056.0	2071.6	2058.4	2049.9	2035.5
57.5°	1911.4	1918.7	1910.2	1904.2	1884.9
60°	1758.5	1764.5	1758.5	1745.2	1735.6
62.5°	1600.7	1607.9	1595.9	1586.2	1573.0
65°	1434.5	1438.1	1435.7	1416.4	1399.5
67.5°	1267.1	1273.1	1265.9	1252.6	1235.7
70°	1099.6	1096.0	1090.0	1080.4	1058.7
72.5°	922.6	922.6	921.4	903.3	892.5
75°	745.5	746.7	743.1	731.1	720.2
77.5°	568.5	581.7	572.1	560.1	548.0
80°	410.7	419.1	410.7	395.1	387.8
82.5°	262.6	274.6	267.4	251.7	249.3
85°	146.9	149.3	145.7	138.5	126.5
87.5°	55.4	57.8	59.0	48.2	42.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)