

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: P289643

Luminaire Tested: **4SSRK-TB-20-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289643  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-1)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SSRK-TB-20-L840-CD1-U  
Description: 2000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH TRILOBE RIBBED LENS AND 80 CRI 4000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1976.1 lumens  
Efficiency: N/A  
Efficacy: 144.2 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.08 / 1.24  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')  
CIE Type: Direct

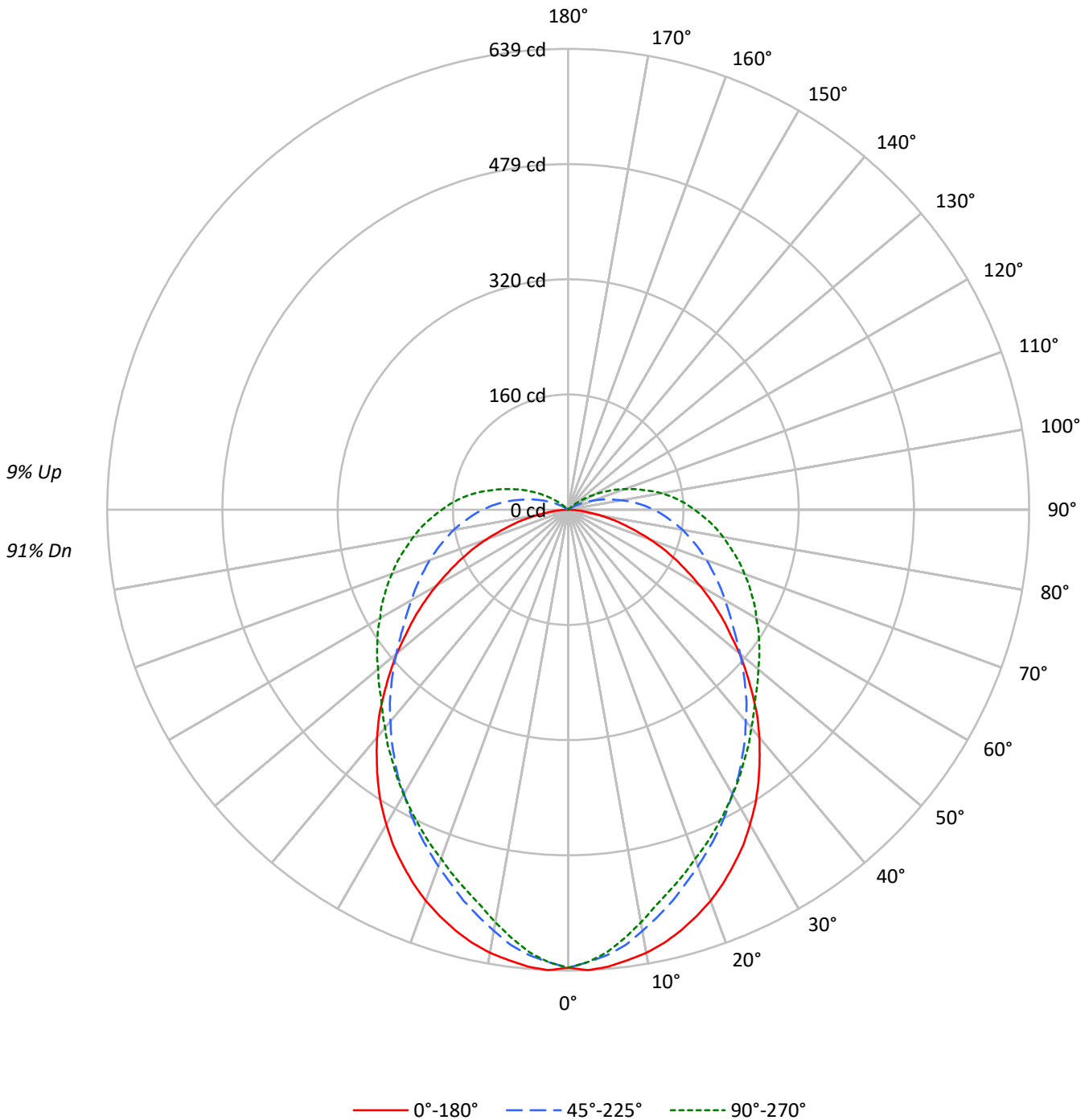
Input Watts (W): 13.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0	
RCR																						
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	91				
1	104	98	93	89	100	95	90	86	89	85	82	84	80	78	78	76	74	71				
2	94	85	77	71	90	82	75	69	77	71	66	72	67	63	68	64	60	58				
3	85	74	65	58	82	72	64	57	67	60	55	63	58	53	60	55	51	48				
4	78	65	56	49	75	63	55	48	60	52	47	56	50	45	53	48	43	41				
5	72	58	49	42	69	57	48	41	53	46	40	50	44	39	48	42	38	35				
6	66	53	43	37	64	51	42	36	48	41	35	46	39	34	43	38	33	31				
7	61	48	39	32	59	46	38	32	44	37	31	42	35	30	40	34	29	27				
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	31	26	24				
9	54	40	32	26	52	39	31	26	37	30	25	35	29	24	34	28	24	22				
10	50	37	29	24	48	36	28	23	34	28	23	33	27	22	31	26	22	20				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	41010	41010	41010
5°	41082	32155	29583
10°	40623	25858	22343
15°	39938	21242	17621
20°	39064	17719	14412
25°	37956	15030	12087
30°	36702	12804	10276
35°	35239	11034	8816
40°	33561	9502	7644
45°	31653	8215	6704
50°	29673	7092	5993
55°	27631	6160	5418
60°	25420	5449	4904
65°	23146	4866	4483
70°	20501	4352	4095
75°	17276	3893	3744
80°	13537	3480	3423
85°	8533	3059	3125



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.8	3.0
10°-20°	160.2	8.1
20°-30°	231.8	11.7
30°-40°	269.7	13.6
40°-50°	274.5	13.9
50°-60°	255.4	12.9
60°-70°	222.4	11.3
70°-80°	181.0	9.2
80°-90°	137.1	6.9
90°-100°	95.1	4.8
100°-110°	55.9	2.8
110°-120°	26.2	1.3
120°-130°	7.5	0.4
130°-140°	0.4	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°	450.8	22.8
0°-40°	720.5	36.5
0°-60°	1250.4	63.3
0°-90°	1791.0	90.6
90°-120°	177.2	9.0
90°-150°	185.1	9.4
90°-180°	185.0	9.4
0°-180°	1976.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	635	635	635	635	635	
5°	636	631	620	620	616	60
15°	604	588	561	551	546	170
25°	543	519	492	488	486	250
35°	460	436	420	424	425	287
45°	361	347	347	361	367	279
55°	260	259	278	311	323	232
65°	165	179	227	267	281	163
75°	80	117	182	224	239	85
85°	17	73	139	183	197	20
90°	0	53	118	161	175	1
95°	0	34	97	140	154	0
105°	0	8	55	93	106	0
115°	0	0	22	51	62	0
125°	0	0	1	17	25	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	1	0	0	0	0	0
180°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	635	635	635	635	635
2.5°	639	636	628	631	628
5°	636	631	620	620	616
7.5°	630	624	609	604	599
10°	624	615	593	587	581
12.5°	615	602	577	568	562
15°	604	588	561	551	546
17.5°	591	573	543	535	531
20°	577	556	526	519	515
22.5°	561	537	509	504	501
25°	543	519	492	488	486
27.5°	525	499	474	472	471
30°	504	479	455	456	456
32.5°	483	458	439	441	441
35°	460	436	420	424	425
37.5°	436	415	402	408	411
40°	412	393	383	392	395
42.5°	388	370	366	377	381
45°	361	347	347	361	367
47.5°	335	326	329	347	356
50°	310	303	311	334	344
52.5°	283	281	294	322	334
55°	260	259	278	311	323
57.5°	235	238	264	300	313
60°	211	217	251	289	301
62.5°	187	199	239	278	292
65°	165	179	227	267	281
67.5°	143	161	215	257	271
70°	121	145	204	246	260
72.5°	99	131	193	235	250
75°	80	117	182	224	239
77.5°	62	106	171	215	228
80°	45	94	161	204	218
82.5°	29	84	150	193	208
85°	17	73	139	183	197
87.5°	7	62	129	172	186
90°	0	53	118	161	175
92.5°	0	44	108	151	165
95°	0	34	97	140	154
97.5°	0	26	86	129	143
100°	0	20	75	116	131
102.5°	0	14	64	104	119
105°	0	8	55	93	106
107.5°	0	4	46	82	95
110°	0	1	37	71	83



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0	0	29	61	73
115°	0	0	22	51	62
117.5°	0	0	15	42	52
120°	0	0	9	33	42
122.5°	0	0	4	25	33
125°	0	0	1	17	25
127.5°	0	0	0	10	17
130°	0	0	0	5	10
132.5°	0	0	0	1	4
135°	0	0	0	0	0
137.5°	0	0	0	0	0
140°	0	0	0	0	0
142.5°	0	0	0	0	0
145°	0	0	0	0	0
147.5°	0	0	0	0	0
150°	0	0	0	0	0
152.5°	0	0	0	0	0
155°	0	0	0	0	0
157.5°	0	0	0	0	0
160°	0	0	0	0	0
162.5°	0	0	0	0	0
165°	0	0	0	0	0
167.5°	0	0	0	0	0
170°	0	0	0	0	0
172.5°	0	0	0	0	0
175°	1	0	0	0	0
177.5°	0	0	0	0	0
180°	0	0	0	0	0

(END OF REPORT)