

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: P289749

Luminaire Tested: **4SSRK-TS-40-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289749
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-6)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-TS-40-L935-CD1-U
Description: 4000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH TRILOBE SMOOTH LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3125.4 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.29 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

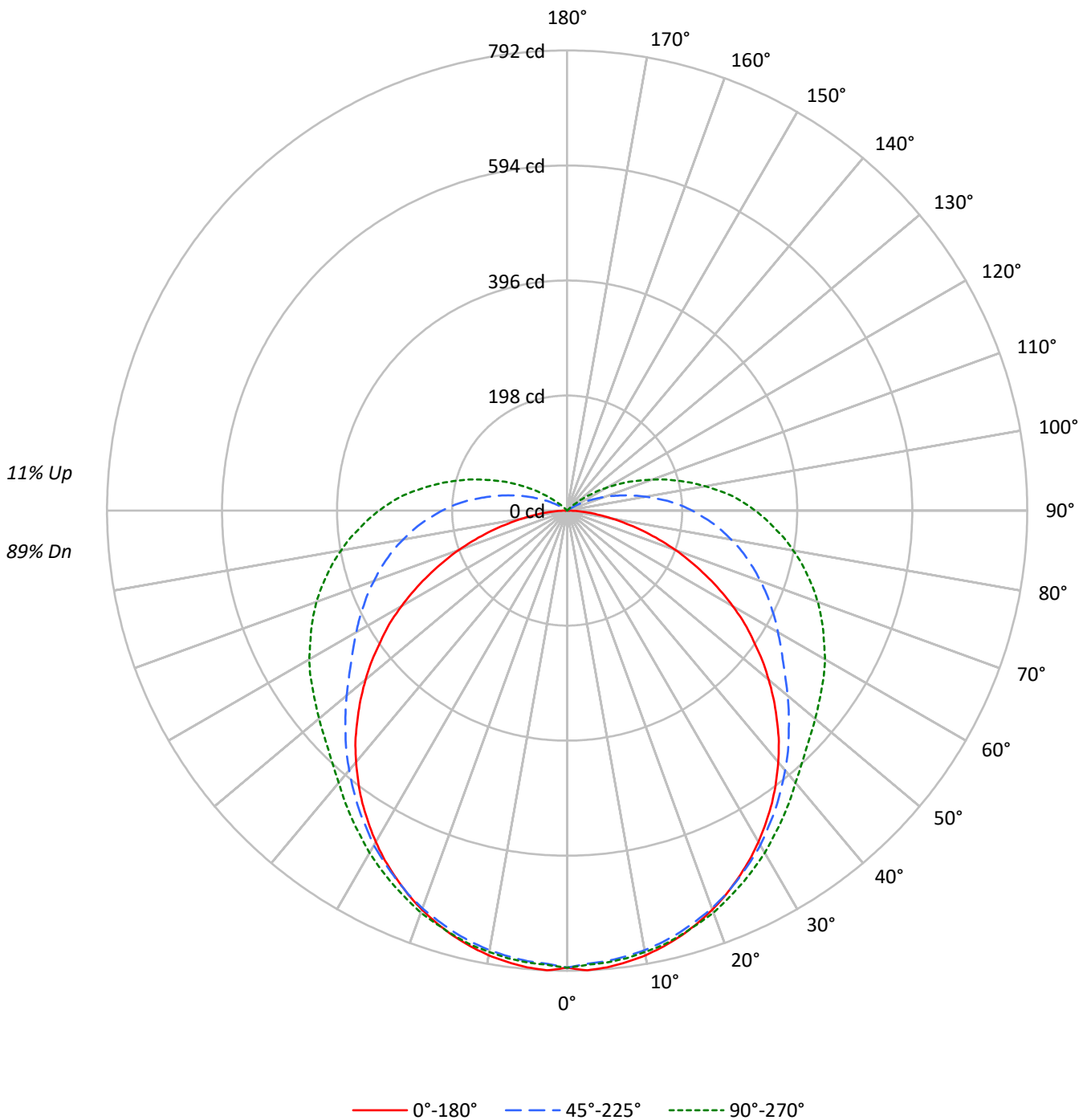
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																				
0	116	116	116	116	112	112	112	112	105	105	105		98	98	98		92	92	92	89
1	103	97	91	87	99	94	89	84	87	83	79		81	78	75		76	73	71	68
2	93	83	75	68	89	80	73	67	75	68	63		70	65	60		65	61	57	54
3	84	72	63	56	80	69	61	54	65	58	52		61	55	50		57	52	47	45
4	76	63	54	46	73	61	52	45	57	50	44		53	47	42		50	45	40	37
5	70	56	47	39	67	54	45	39	51	43	37		48	41	36		45	39	34	32
6	65	50	41	34	62	49	40	34	46	38	32		43	36	31		41	35	30	28
7	60	46	36	30	57	44	36	29	42	34	28		39	33	28		37	31	27	24
8	56	41	33	27	53	40	32	26	38	31	25		36	29	25		34	28	24	22
9	52	38	29	24	50	37	29	23	35	28	23		33	27	22		31	26	21	19
10	49	35	27	21	47	34	26	21	32	25	21		31	24	20		29	23	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	50807	50807	50807
5°	50971	40375	37487
10°	50603	33502	29673
15°	50101	28444	24414
20°	49476	24548	20611
25°	48742	21338	17648
30°	47961	18717	15328
35°	47075	16443	13415
40°	46033	14477	11836
45°	44787	12770	10620
50°	43352	11295	9711
55°	41627	10053	8972
60°	39671	9096	8350
65°	36922	8283	7754
70°	33666	7547	7229
75°	29175	6868	6705
80°	23435	6199	6203
85°	15962	5542	5702



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	2.4
10°-20°	213.2	6.8
20°-30°	323.8	10.4
30°-40°	393.6	12.6
40°-50°	420.1	13.4
50°-60°	412.0	13.2
60°-70°	376.4	12.0
70°-80°	319.4	10.2
80°-90°	248.6	8.0
90°-100°	175.3	5.6
100°-110°	104.2	3.3
110°-120°	49.3	1.6
120°-130°	14.3	0.5
130°-140°	0.8	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°	611.5	19.6
0°-40°	1005.1	32.2
0°-60°	1837.1	58.8
0°-90°	2781.5	89.0
90°-120°	328.7	10.5
90°-150°	343.9	11.0
90°-180°	344.0	11.0
0°-180°	3125.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	787	787	787	787	787	
5°	789	786	778	783	781	75
15°	758	756	751	758	756	214
25°	697	698	698	710	710	321
35°	614	618	626	641	647	384
45°	511	519	539	568	581	394
55°	392	408	454	513	535	351
65°	263	297	386	460	486	261
75°	135	205	321	401	428	143
85°	32	131	252	332	360	36
90°	2	97	215	296	324	3
95°	2	65	178	256	286	2
105°	2	18	101	172	198	2
115°	2	2	41	94	117	2
125°	1	1	2	31	46	1
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°	0	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°	786.7	786.7	786.7	786.7	786.7
2.5°	792.0	789.1	780.6	785.0	782.6
5°	789.1	786.3	778.5	783.0	780.6
7.5°	783.8	781.8	774.0	778.9	777.3
10°	777.3	775.3	768.3	774.0	771.6
12.5°	768.3	766.3	760.6	766.3	765.5
15°	757.7	756.1	751.2	757.7	756.5
17.5°	745.1	743.8	739.8	747.9	746.3
20°	730.8	730.0	728.7	736.1	736.5
22.5°	715.3	715.3	714.5	722.6	723.0
25°	697.3	697.7	698.5	709.6	709.6
27.5°	679.0	680.2	682.2	692.8	695.3
30°	658.6	660.6	665.1	676.5	680.2
32.5°	636.9	640.2	645.1	659.4	663.0
35°	614.5	617.8	625.9	641.4	646.7
37.5°	590.4	594.1	604.7	622.2	629.2
40°	565.1	569.2	583.5	605.5	611.6
42.5°	539.4	545.1	562.7	586.3	595.7
45°	510.8	519.4	539.4	568.0	581.4
47.5°	482.3	492.5	517.4	552.5	568.8
50°	452.9	464.3	495.3	538.6	557.4
52.5°	423.5	436.2	473.7	525.5	545.9
55°	391.7	408.4	453.7	512.9	534.9
57.5°	362.3	380.3	435.8	500.2	524.3
60°	329.3	352.1	419.0	487.2	512.5
62.5°	296.6	324.0	403.1	473.7	498.6
65°	263.2	297.0	386.4	460.3	486.0
67.5°	230.1	269.7	370.9	446.4	472.9
70°	198.7	246.0	353.8	432.1	459.0
72.5°	165.7	225.2	337.8	417.0	443.9
75°	135.1	204.8	321.1	400.7	428.0
77.5°	104.0	185.7	304.8	384.4	412.5
80°	77.9	167.7	286.8	367.2	395.0
82.5°	53.0	149.7	269.3	349.7	378.6
85°	31.8	130.6	251.8	331.7	359.5
87.5°	14.3	113.8	232.6	313.4	342.3
90°	2.4	96.7	215.0	295.8	323.6
92.5°	2.9	81.2	197.1	277.1	304.8
95°	2.4	64.9	177.5	256.2	286.0
97.5°	2.4	51.0	156.7	235.8	263.2
100°	2.0	37.9	136.7	214.2	241.1
102.5°	2.0	26.9	118.7	193.0	219.9
105°	2.0	17.5	101.2	171.8	197.9
107.5°	2.0	9.8	84.1	151.4	177.9
110°	2.0	3.7	68.5	133.0	155.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	1.6	53.5	112.6	135.5
115°	1.6	1.6	41.2	94.3	116.7
117.5°	1.6	1.2	28.2	77.1	97.5
120°	1.6	1.2	17.5	61.6	79.2
122.5°	1.2	0.8	8.6	45.7	63.2
125°	1.2	0.8	2.0	31.4	46.1
127.5°	1.2	0.4	0.0	18.8	31.8
130°	0.8	0.4	0.0	9.0	18.8
132.5°	0.8	0.4	0.0	1.6	8.2
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)