

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-40-L935-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-40-L935-CD1-U
Description: 4000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH TRILOBE RIBBED LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3281.7 lumens
Efficiency: N/A
Efficacy: 118.5 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

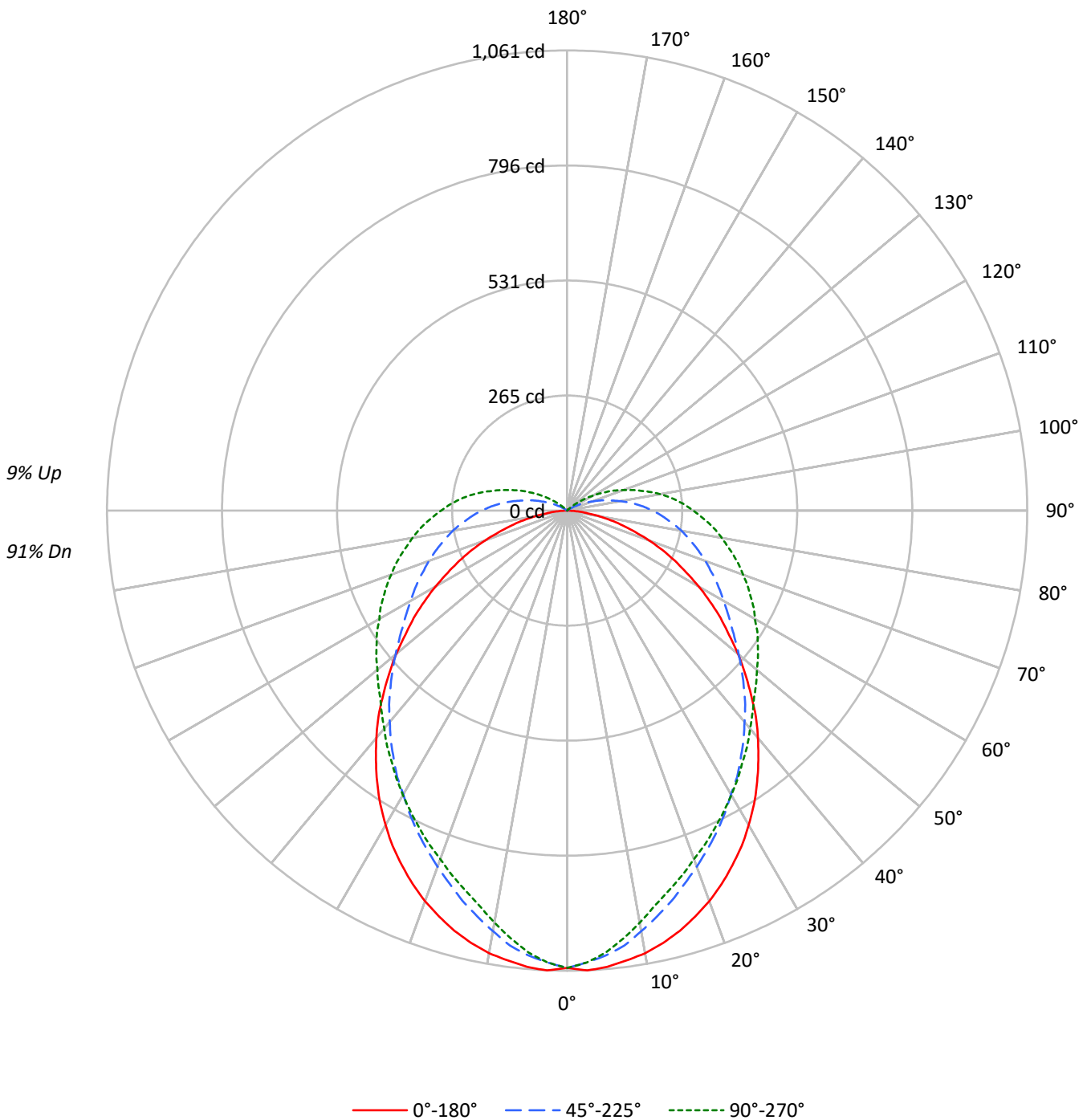
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P289643

CATALOG NUMBER: 4SSRK-TB-40-L935-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P289643

CATALOG NUMBER: 4SSRK-TB-40-L935-CD1-U

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	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°	68103	68103	68103
5°	68224	53398	49128
10°	67464	42943	37106
15°	66328	35275	29261
20°	64871	29426	23936
25°	63037	24961	20073
30°	60952	21263	17065
35°	58520	18324	14641
40°	55734	15779	12695
45°	52565	13644	11134
50°	49277	11778	9953
55°	45889	10231	8998
60°	42213	9048	8144
65°	38437	8082	7446
70°	34039	7227	6800
75°	28700	6464	6218
80°	22472	5779	5684
85°	14155	5080	5190



TEST NUMBER: P289643

CATALOG NUMBER: 4SSRK-TB-40-L935-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.6	3.0
10°-20°	266.1	8.1
20°-30°	385.0	11.7
30°-40°	447.8	13.6
40°-50°	455.9	13.9
50°-60°	424.2	12.9
60°-70°	369.3	11.3
70°-80°	300.7	9.2
80°-90°	227.8	6.9
90°-100°	158.0	4.8
100°-110°	92.8	2.8
110°-120°	43.5	1.3
120°-130°	12.4	0.4
130°-140°	0.7	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°	748.7	22.8
0°-40°	1196.6	36.5
0°-60°	2076.6	63.3
0°-90°	2974.3	90.6
90°-120°	294.3	9.0
90°-150°	307.3	9.4
90°-180°	307.0	9.4
0°-180°	3281.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1054	1054	1054	1054	1054	
5°	1056	1048	1030	1030	1023	100
15°	1003	976	932	915	907	283
25°	902	862	817	810	807	415
35°	764	724	698	704	706	477
45°	600	576	576	600	610	463
55°	432	430	462	516	536	385
65°	274	297	377	443	467	271
75°	133	194	302	372	397	142
85°	28	121	231	304	327	33
90°	0	88	196	267	291	2
95°	0	56	161	232	256	0
105°	0	13	91	154	176	0
115°	0	0	36	85	103	0
125°	0	0	2	28	42	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°	2	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P289643

CATALOG NUMBER: 4SSRK-TB-40-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1054.5	1054.5	1054.5	1054.5	1054.5
2.5°	1061.2	1056.2	1042.9	1047.9	1042.9
5°	1056.2	1047.9	1029.6	1029.6	1023.0
7.5°	1046.2	1036.3	1011.4	1003.1	994.8
10°	1036.3	1021.3	984.8	974.8	964.9
12.5°	1021.3	999.7	958.2	943.3	933.3
15°	1003.1	976.5	931.6	915.0	906.7
17.5°	981.5	951.6	901.8	888.5	881.8
20°	958.2	923.3	873.5	861.9	855.3
22.5°	931.6	891.8	845.3	837.0	832.0
25°	901.8	861.9	817.1	810.4	807.1
27.5°	871.9	828.7	787.2	783.8	782.2
30°	837.0	795.5	755.6	757.3	757.3
32.5°	802.1	760.6	729.0	732.4	732.4
35°	763.9	724.1	697.5	704.1	705.8
37.5°	724.1	689.2	667.6	677.6	682.5
40°	684.2	652.7	636.0	651.0	656.0
42.5°	644.3	614.5	607.8	626.1	632.7
45°	599.5	576.3	576.3	599.5	609.5
47.5°	556.3	541.4	546.4	576.3	591.2
50°	514.8	503.2	516.5	554.7	571.3
52.5°	470.0	466.7	488.2	534.7	554.7
55°	431.8	430.1	461.7	516.5	536.4
57.5°	390.3	395.2	438.4	498.2	519.8
60°	350.4	360.4	416.8	479.9	499.9
62.5°	310.5	330.5	396.9	461.7	484.9
65°	274.0	297.3	377.0	443.4	466.7
67.5°	237.5	267.4	357.0	426.8	450.0
70°	200.9	240.8	338.8	408.5	431.8
72.5°	164.4	217.6	320.5	390.3	415.2
75°	132.9	194.3	302.2	372.0	396.9
77.5°	103.0	176.0	284.0	357.0	378.6
80°	74.7	156.1	267.4	338.8	362.0
82.5°	48.2	139.5	249.1	320.5	345.4
85°	28.2	121.2	230.8	303.9	327.2
87.5°	11.6	103.0	214.2	285.6	308.9
90°	0.0	88.0	196.0	267.4	290.6
92.5°	0.0	73.1	179.4	250.8	274.0
95°	0.0	56.5	161.1	232.5	255.7
97.5°	0.0	43.2	142.8	214.2	237.5
100°	0.0	33.2	124.6	192.6	217.6
102.5°	0.0	23.2	106.3	172.7	197.6
105°	0.0	13.3	91.3	154.4	176.0
107.5°	0.0	6.6	76.4	136.2	157.8
110°	0.0	1.7	61.4	117.9	137.8



TEST NUMBER: P289643

CATALOG NUMBER: 4SSRK-TB-40-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	48.2	101.3	121.2
115°	0.0	0.0	36.5	84.7	103.0
117.5°	0.0	0.0	24.9	69.7	86.4
120°	0.0	0.0	14.9	54.8	69.7
122.5°	0.0	0.0	6.6	41.5	54.8
125°	0.0	0.0	1.7	28.2	41.5
127.5°	0.0	0.0	0.0	16.6	28.2
130°	0.0	0.0	0.0	8.3	16.6
132.5°	0.0	0.0	0.0	1.7	6.6
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°	1.7	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)