

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: **8SSRK-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: 8SSRK-TB-40-L935-CD1-U
Description: 4000 LUMEN, 8 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: 3260.2 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.08 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

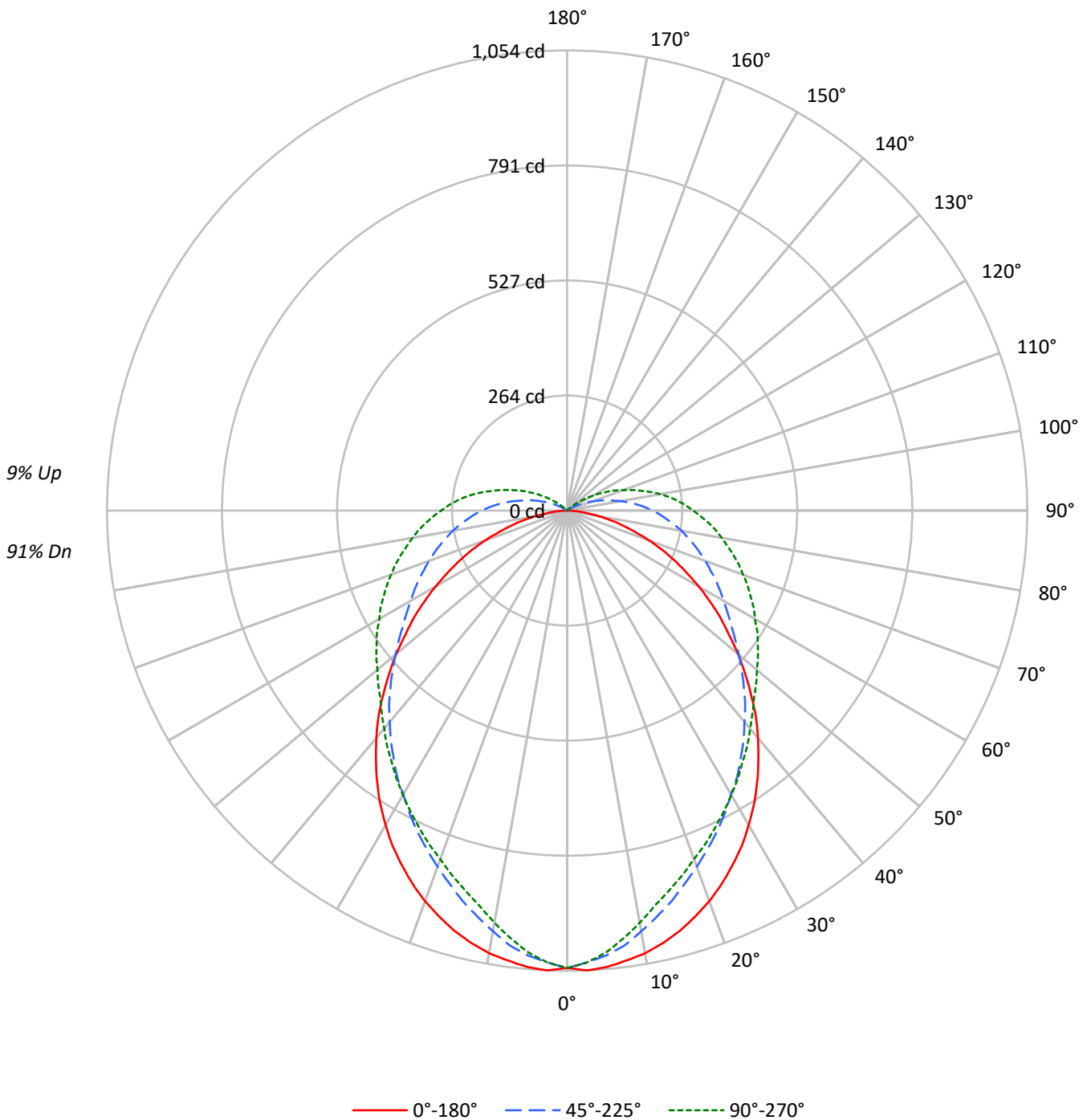
Input Watts (W): 27.0151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	33829	33829	33829
5°	33951	26552	24403
10°	33633	21369	18432
15°	33129	17563	14535
20°	32468	14655	11889
25°	31614	12435	9971
30°	30636	10597	8476
35°	29486	9133	7273
40°	28159	7867	6306
45°	26644	6803	5530
50°	25069	5874	4944
55°	23454	5103	4469
60°	21698	4514	4045
65°	19909	4032	3698
70°	17825	3607	3378
75°	15281	3227	3089
80°	12340	2884	2824
85°	8379	2536	2577



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.0	3.0
10°-20°	264.4	8.1
20°-30°	382.5	11.7
30°-40°	444.9	13.6
40°-50°	452.9	13.9
50°-60°	421.4	12.9
60°-70°	366.9	11.3
70°-80°	298.7	9.2
80°-90°	226.3	6.9
90°-100°	156.9	4.8
100°-110°	92.2	2.8
110°-120°	43.2	1.3
120°-130°	12.3	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°	743.8	22.8
0°-40°	1188.7	36.5
0°-60°	2063.0	63.3
0°-90°	2954.9	90.6
90°-120°	292.3	9.0
90°-150°	305.3	9.4
90°-180°	305.0	9.4
0°-180°	3260.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1048	1048	1048	1048	1048	
5°	1049	1041	1023	1023	1016	99
15°	996	970	926	909	901	281
25°	896	856	812	805	802	413
35°	759	719	693	700	701	474
45°	596	572	572	596	606	460
55°	429	427	459	513	533	383
65°	272	295	374	440	464	270
75°	132	193	300	370	394	141
85°	28	120	229	302	325	32
90°	0	87	195	266	289	2
95°	0	56	160	231	254	0
105°	0	13	91	153	175	0
115°	0	0	36	84	102	0
125°	0	0	2	28	41	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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1047.6	1047.6	1047.6	1047.6	1047.6
2.5°	1054.2	1049.3	1036.1	1041.0	1036.1
5°	1049.3	1041.0	1022.9	1022.9	1016.3
7.5°	1039.4	1029.5	1004.8	996.5	988.3
10°	1029.5	1014.6	978.4	968.5	958.6
12.5°	1014.6	993.2	952.0	937.1	927.2
15°	996.5	970.1	925.6	909.1	900.8
17.5°	975.1	945.4	895.9	882.7	876.1
20°	952.0	917.3	867.8	856.3	849.7
22.5°	925.6	886.0	839.8	831.5	826.6
25°	895.9	856.3	811.7	805.1	801.8
27.5°	866.2	823.3	782.0	778.7	777.1
30°	831.5	790.3	750.7	752.3	752.3
32.5°	796.9	755.6	724.3	727.6	727.6
35°	758.9	719.3	692.9	699.5	701.2
37.5°	719.3	684.7	663.2	673.1	678.1
40°	679.7	648.4	631.9	646.7	651.7
42.5°	640.1	610.4	603.8	622.0	628.6
45°	595.6	572.5	572.5	595.6	605.5
47.5°	552.7	537.8	542.8	572.5	587.3
50°	511.4	499.9	513.1	551.0	567.5
52.5°	466.9	463.6	485.1	531.2	551.0
55°	429.0	427.3	458.7	513.1	532.9
57.5°	387.7	392.7	435.6	495.0	516.4
60°	348.1	358.0	414.1	476.8	496.6
62.5°	308.5	328.3	394.3	458.7	481.8
65°	272.2	295.3	374.5	440.5	463.6
67.5°	235.9	265.6	354.7	424.0	447.1
70°	199.6	239.2	336.6	405.9	429.0
72.5°	163.3	216.1	318.4	387.7	412.5
75°	132.0	193.0	300.3	369.6	394.3
77.5°	102.3	174.9	282.1	354.7	376.2
80°	74.2	155.1	265.6	336.6	359.7
82.5°	47.8	138.6	247.5	318.4	343.2
85°	28.0	120.4	229.3	301.9	325.0
87.5°	11.5	102.3	212.8	283.8	306.9
90°	0.0	87.4	194.7	265.6	288.7
92.5°	0.0	72.6	178.2	249.1	272.2
95°	0.0	56.1	160.0	231.0	254.1
97.5°	0.0	42.9	141.9	212.8	235.9
100°	0.0	33.0	123.7	191.4	216.1
102.5°	0.0	23.1	105.6	171.6	196.3
105°	0.0	13.2	90.7	153.4	174.9
107.5°	0.0	6.6	75.9	135.3	156.7
110°	0.0	1.6	61.0	117.1	136.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	47.8	100.6	120.4
115°	0.0	0.0	36.3	84.1	102.3
117.5°	0.0	0.0	24.7	69.3	85.8
120°	0.0	0.0	14.8	54.4	69.3
122.5°	0.0	0.0	6.6	41.2	54.4
125°	0.0	0.0	1.6	28.0	41.2
127.5°	0.0	0.0	0.0	16.5	28.0
130°	0.0	0.0	0.0	8.2	16.5
132.5°	0.0	0.0	0.0	1.6	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°	1.6	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)