

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: P290041

Luminaire Tested: **8SSRK-RB-40-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290041
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-RB-40-L835-CD1-U
Description: 4000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 80 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3979.6 lumens
Efficiency: N/A
Efficacy: 147.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.65 / 1.6
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

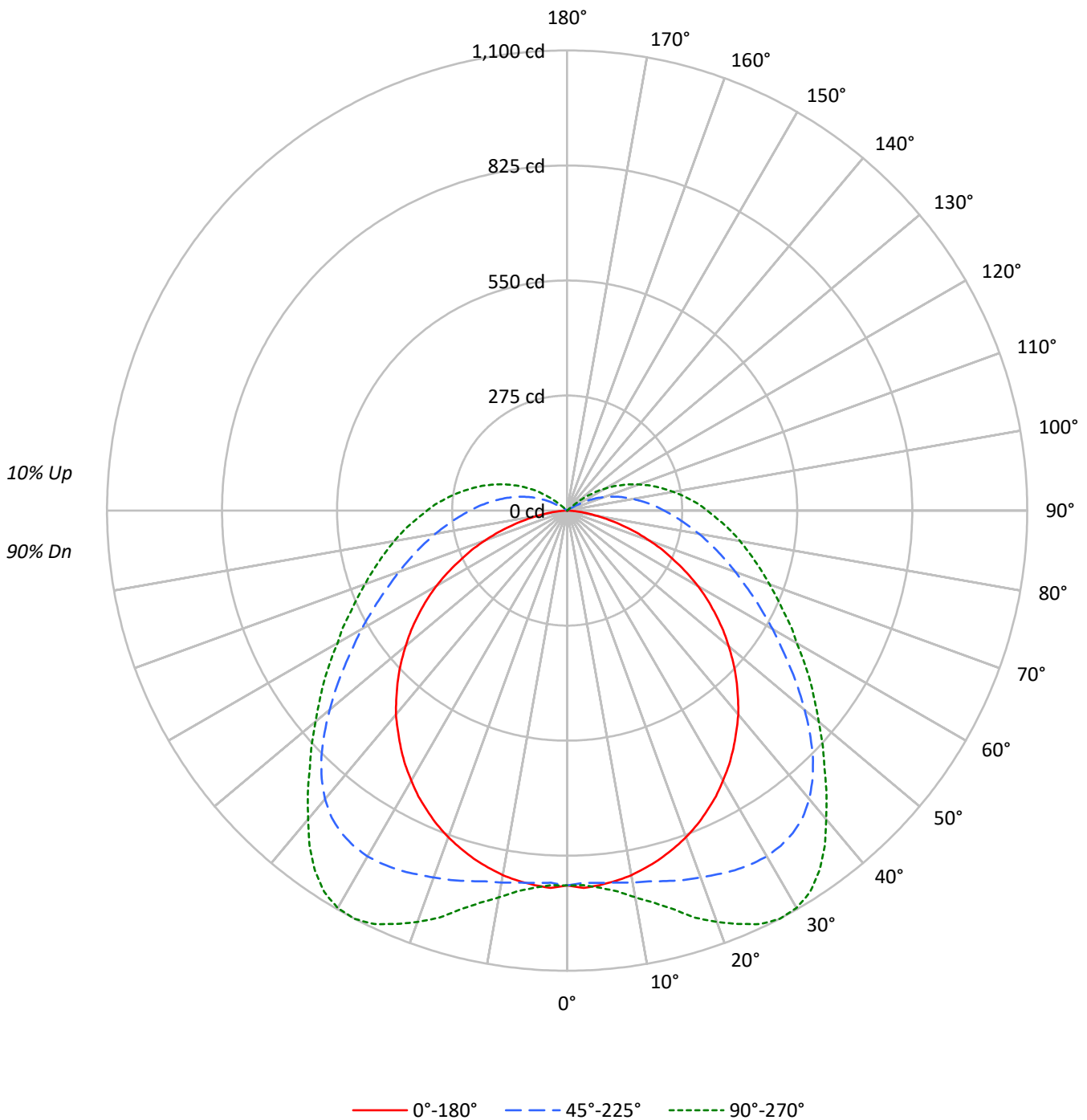
Input Watts (W): 27.0151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	90				
1	104	98	93	88	100	95	90	86	89	85	81	83	80	77	78	75	73	70				
2	94	84	77	70	90	82	74	68	76	70	65	71	67	62	67	63	59	57				
3	85	73	64	57	81	71	63	56	66	60	54	62	56	52	58	54	49	47				
4	77	64	55	48	74	62	54	47	59	51	45	55	49	44	52	46	42	39				
5	71	57	48	41	68	56	47	40	52	45	39	49	43	37	46	41	36	34				
6	65	51	42	35	63	50	41	35	47	39	34	44	38	32	42	36	31	29				
7	60	46	37	31	58	45	36	30	43	35	29	40	34	29	38	32	28	25				
8	56	42	33	27	54	41	33	27	39	31	26	37	30	25	35	29	25	22				
9	52	38	30	24	50	37	29	24	36	28	23	34	27	23	32	26	22	20				
10	49	35	27	22	47	34	27	22	33	26	21	31	25	20	30	24	20	18				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	28936	28936	28936
5°	29075	23186	21726
10°	28913	19720	18047
15°	28637	17398	15925
20°	28341	15762	14646
25°	27926	14534	13562
30°	27452	13474	12359
35°	26926	12403	10901
40°	26370	11212	9320
45°	25602	9875	7947
50°	24696	8485	6839
55°	23695	7231	5946
60°	22527	6186	5161
65°	20684	5299	4550
70°	18700	4586	4051
75°	15813	3988	3640
80°	11874	3474	3296
85°	6494	3021	2981



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	2.2
10°-20°	262.2	6.6
20°-30°	436.4	11.0
30°-40°	564.4	14.2
40°-50°	596.2	15.0
50°-60°	549.6	13.8
60°-70°	461.9	11.6
70°-80°	361.9	9.1
80°-90°	266.2	6.7
90°-100°	189.7	4.8
100°-110°	121.9	3.1
110°-120°	64.0	1.6
120°-130°	18.6	0.5
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°	784.7	19.7
0°-40°	1349.2	33.9
0°-60°	2495.0	62.7
0°-90°	3585.0	90.1
90°-120°	375.6	9.4
90°-150°	394.6	9.9
90°-180°	395.0	9.9
0°-180°	3979.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	896	896	896	896	896	
5°	899	898	893	905	905	85
15°	861	878	917	971	987	243
25°	791	836	949	1057	1091	365
35°	693	770	941	1037	1051	433
45°	572	674	831	867	870	441
55°	433	539	650	694	709	388
65°	283	387	492	552	570	282
75°	137	252	371	442	465	145
85°	22	147	273	351	376	29
90°	0	108	232	310	335	1
95°	1	78	195	272	296	1
105°	1	26	127	197	220	1
115°	1	1	61	123	144	1
125°	1	0	0	44	65	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°	896.1	896.1	896.1	896.1	896.1
2.5°	902.9	899.0	890.4	898.1	896.1
5°	898.6	898.1	893.2	904.8	904.8
7.5°	892.8	894.7	897.1	916.4	917.9
10°	885.0	890.8	902.9	932.3	938.6
12.5°	873.9	884.6	907.7	950.2	960.3
15°	861.4	878.3	916.9	971.4	986.9
17.5°	846.9	869.1	926.1	997.5	1020.6
20°	831.0	859.9	933.3	1021.1	1046.7
22.5°	812.7	848.8	941.0	1040.4	1069.4
25°	791.4	835.8	948.7	1057.3	1090.6
27.5°	770.2	822.3	953.1	1067.9	1100.3
30°	745.1	807.3	954.5	1069.4	1096.9
32.5°	720.5	790.9	950.2	1059.3	1081.0
35°	693.0	770.2	941.0	1037.1	1051.0
37.5°	664.5	748.0	925.1	1002.8	1011.5
40°	636.5	727.2	900.5	959.4	963.2
42.5°	604.2	700.7	868.6	913.5	917.4
45°	572.3	674.2	831.0	866.7	870.1
47.5°	538.6	643.8	786.6	819.9	828.1
50°	503.8	610.5	741.2	776.5	785.1
52.5°	470.0	576.2	695.4	735.4	745.6
55°	433.4	538.6	650.0	694.4	708.9
57.5°	398.1	501.4	606.1	655.3	671.3
60°	361.4	463.3	567.5	619.1	633.6
62.5°	322.8	424.7	527.9	585.8	604.2
65°	282.8	387.0	492.2	552.5	570.4
67.5°	247.6	350.8	458.0	521.7	541.9
70°	209.4	316.1	428.0	494.2	514.4
72.5°	172.3	283.8	398.1	467.6	489.3
75°	136.6	251.9	371.1	441.6	464.7
77.5°	101.8	222.5	344.6	417.9	441.1
80°	71.4	195.4	319.9	395.2	419.8
82.5°	44.4	171.3	295.8	373.0	398.1
85°	21.7	147.2	273.1	350.8	375.9
87.5°	6.3	126.0	251.9	329.6	354.2
90°	0.5	108.1	231.6	310.3	334.9
92.5°	1.0	92.2	214.3	291.0	317.1
95°	1.4	78.2	195.0	272.2	296.3
97.5°	1.4	64.7	177.1	253.4	277.0
100°	1.4	51.6	159.7	233.6	257.7
102.5°	1.4	39.1	142.8	215.2	238.4
105°	1.4	25.6	126.9	197.4	220.5
107.5°	1.4	11.1	110.0	178.1	201.2
110°	1.4	2.4	93.6	160.2	182.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	1.4	78.2	141.4	164.1
115°	1.0	1.4	60.8	122.6	143.8
117.5°	1.0	1.0	41.5	104.2	126.0
120°	1.0	1.0	21.7	85.9	105.7
122.5°	1.0	0.5	4.3	65.6	87.3
125°	1.0	0.5	0.0	43.9	65.1
127.5°	1.0	0.5	0.0	22.7	44.4
130°	0.5	0.5	0.0	3.4	21.2
132.5°	0.5	0.5	0.0	0.0	1.0
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)