

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: P289761

Luminaire Tested: **4SSRK-TS-60-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289761
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-60-L835-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH TRILOBE SMOOTH LENS AND 80 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5641.5 lumens
Efficiency: N/A
Efficacy: 125.9 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

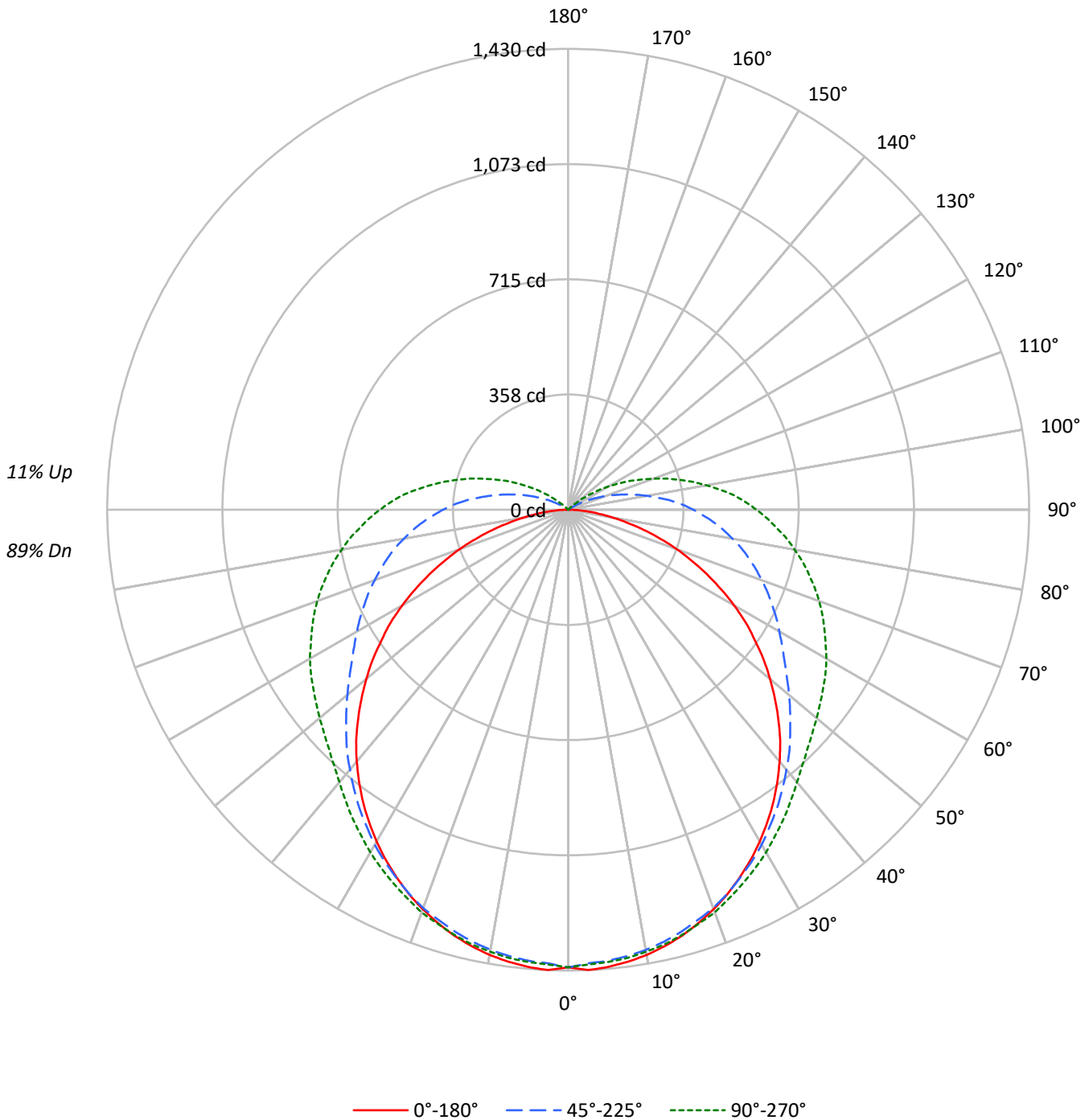
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	91708	91708	91708
5°	92008	72882	67661
10°	91337	60472	53558
15°	90436	51342	44068
20°	89304	44312	37203
25°	87985	38519	31854
30°	86564	33784	27667
35°	84972	29681	24216
40°	83096	26130	21365
45°	80850	23052	19171
50°	78251	20389	17528
55°	75135	18148	16197
60°	71608	16420	15072
65°	66634	14952	13996
70°	60775	13620	13050
75°	52648	12398	12104
80°	42327	11191	11194
85°	28812	10002	10292



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.3	2.4
10°-20°	384.9	6.8
20°-30°	584.5	10.4
30°-40°	710.5	12.6
40°-50°	758.3	13.4
50°-60°	743.6	13.2
60°-70°	679.4	12.0
70°-80°	576.6	10.2
80°-90°	448.7	8.0
90°-100°	316.4	5.6
100°-110°	188.1	3.3
110°-120°	89.0	1.6
120°-130°	25.8	0.5
130°-140°	1.5	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°	1103.7	19.6
0°-40°	1814.2	32.2
0°-60°	3316.1	58.8
0°-90°	5020.8	89.0
90°-120°	593.4	10.5
90°-150°	620.7	11.0
90°-180°	621.0	11.0
0°-180°	5641.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1420	1420	1420	1420	1420	
5°	1424	1419	1405	1413	1409	135
15°	1368	1365	1356	1368	1366	386
25°	1259	1259	1261	1281	1281	580
35°	1109	1115	1130	1158	1167	694
45°	922	938	974	1025	1050	711
55°	707	737	819	926	966	633
65°	475	536	698	831	877	471
75°	244	370	580	723	773	258
85°	57	236	454	599	649	64
90°	4	175	388	534	584	5
95°	4	117	320	462	516	4
105°	4	32	183	310	357	4
115°	3	3	74	170	211	3
125°	2	2	4	57	83	2
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°	1420.0	1420.0	1420.0	1420.0	1420.0
2.5°	1429.6	1424.4	1408.9	1417.0	1412.6
5°	1424.4	1419.2	1405.3	1413.4	1408.9
7.5°	1414.8	1411.1	1397.2	1406.0	1403.0
10°	1403.0	1399.4	1386.8	1397.2	1392.7
12.5°	1386.8	1383.2	1372.8	1383.2	1381.7
15°	1367.7	1364.7	1355.9	1367.7	1365.5
17.5°	1344.9	1342.6	1335.3	1350.0	1347.1
20°	1319.1	1317.6	1315.4	1328.7	1329.4
22.5°	1291.1	1291.1	1289.6	1304.4	1305.1
25°	1258.7	1259.4	1260.9	1280.8	1280.8
27.5°	1225.5	1227.8	1231.4	1250.6	1255.0
30°	1188.7	1192.4	1200.5	1221.1	1227.8
32.5°	1149.7	1155.6	1164.4	1190.2	1196.8
35°	1109.2	1115.1	1129.8	1157.8	1167.4
37.5°	1065.7	1072.4	1091.5	1123.2	1135.7
40°	1020.1	1027.4	1053.2	1093.0	1104.0
42.5°	973.7	984.0	1015.6	1058.4	1075.3
45°	922.1	937.6	973.7	1025.2	1049.5
47.5°	870.5	889.0	933.9	997.2	1026.7
50°	817.5	838.1	894.1	972.2	1006.1
52.5°	764.5	787.3	855.1	948.6	985.4
55°	707.0	737.2	819.0	925.8	965.6
57.5°	654.0	686.4	786.6	903.0	946.4
60°	594.4	635.6	756.4	879.4	925.1
62.5°	535.4	584.8	727.7	855.1	900.0
65°	475.0	536.2	697.5	830.8	877.2
67.5°	415.4	486.8	669.5	805.7	853.6
70°	358.7	444.1	638.5	780.0	828.6
72.5°	299.0	406.6	609.8	752.7	801.3
75°	243.8	369.7	579.6	723.2	772.6
77.5°	187.8	335.1	550.2	693.8	744.6
80°	140.7	302.7	517.8	662.9	712.9
82.5°	95.7	270.3	486.1	631.2	683.5
85°	57.4	235.7	454.4	598.8	648.9
87.5°	25.8	205.5	419.8	565.6	617.9
90°	4.4	174.6	388.1	534.0	584.0
92.5°	5.2	146.6	355.7	500.1	550.2
95°	4.4	117.1	320.4	462.5	516.3
97.5°	4.4	92.1	282.8	425.7	475.0
100°	3.7	68.5	246.7	386.7	435.3
102.5°	3.7	48.6	214.3	348.4	397.0
105°	3.7	31.7	182.7	310.1	357.2
107.5°	3.7	17.7	151.7	273.2	321.1
110°	3.7	6.6	123.7	240.1	279.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.9	2.9	96.5	203.3	244.5
115°	2.9	2.9	74.4	170.1	210.6
117.5°	2.9	2.2	50.8	139.2	176.0
120°	2.9	2.2	31.7	111.2	142.9
122.5°	2.2	1.5	15.5	82.5	114.2
125°	2.2	1.5	3.7	56.7	83.2
127.5°	2.2	0.7	0.0	33.9	57.4
130°	1.5	0.7	0.0	16.2	33.9
132.5°	1.5	0.7	0.0	2.9	14.7
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)