

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: P289763

Luminaire Tested: **4SSRK-TS-60-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289763
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-L850-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH TRILOBE SMOOTH LENS AND 80 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5737.1 lumens
Efficiency: N/A
Efficacy: 128.1 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

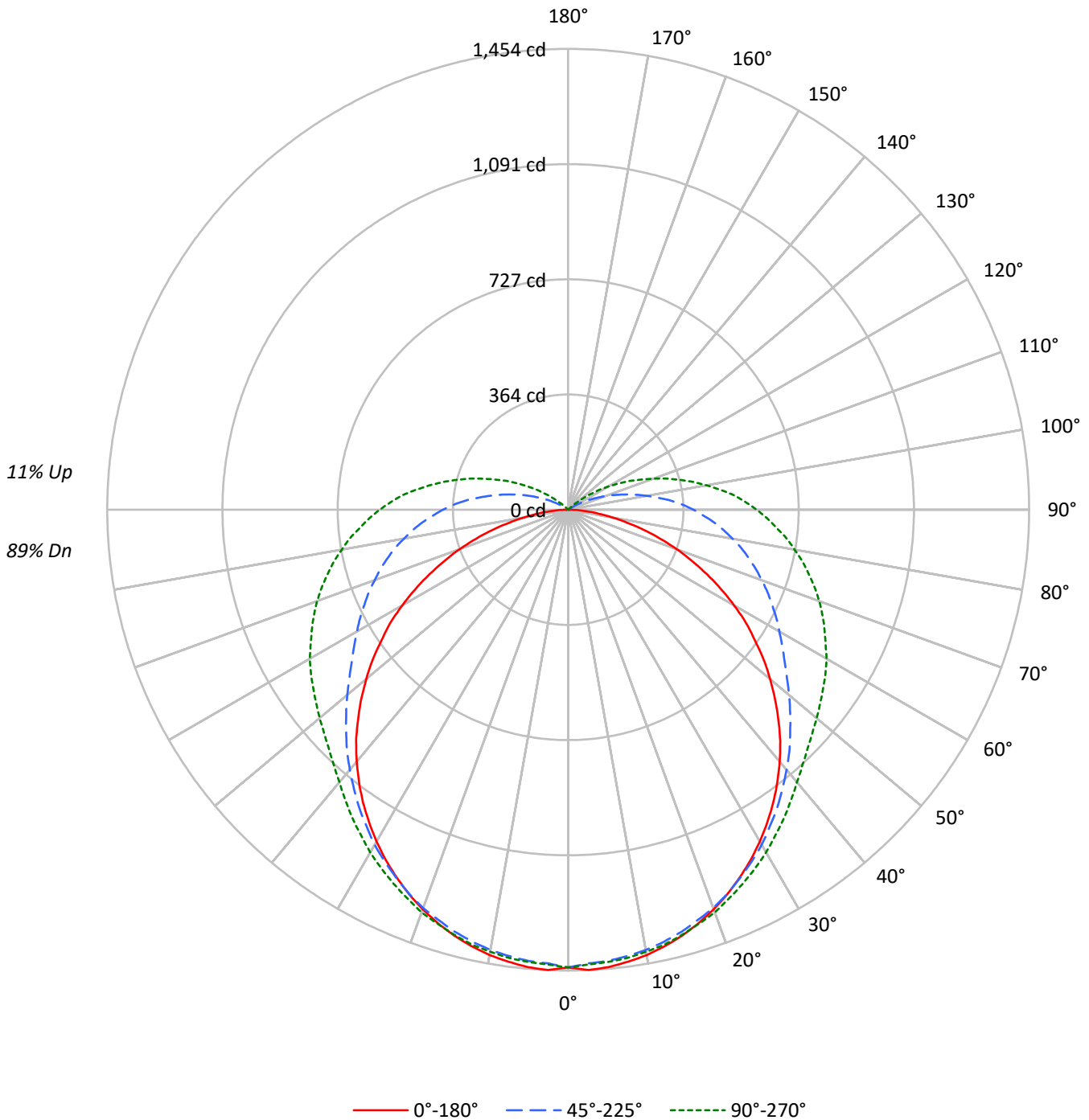
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	93264	93264	93264
5°	93571	74117	68808
10°	92886	61501	54465
15°	91970	52212	44813
20°	90814	45063	37833
25°	89474	39173	32394
30°	88035	34358	28136
35°	86412	30185	24626
40°	84506	26575	21727
45°	82218	23443	19496
50°	79582	20736	17825
55°	76410	18456	16470
60°	72813	16698	15326
65°	67770	15205	14233
70°	61809	13853	13270
75°	53534	12609	12309
80°	43049	11379	11384
85°	29314	10171	10466



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.6	2.4
10°-20°	391.4	6.8
20°-30°	594.4	10.4
30°-40°	722.5	12.6
40°-50°	771.1	13.4
50°-60°	756.2	13.2
60°-70°	690.9	12.0
70°-80°	586.4	10.2
80°-90°	456.3	8.0
90°-100°	321.7	5.6
100°-110°	191.3	3.3
110°-120°	90.5	1.6
120°-130°	26.2	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°	1122.4	19.6
0°-40°	1845.0	32.2
0°-60°	3372.3	58.8
0°-90°	5105.9	89.0
90°-120°	603.5	10.5
90°-150°	631.2	11.0
90°-180°	631.0	11.0
0°-180°	5737.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1444	1444	1444	1444	1444	
5°	1449	1443	1429	1437	1433	138
15°	1391	1388	1379	1391	1389	392
25°	1280	1281	1282	1302	1302	590
35°	1128	1134	1149	1177	1187	705
45°	938	954	990	1043	1067	723
55°	719	750	833	942	982	644
65°	483	545	709	845	892	479
75°	248	376	590	736	786	263
85°	58	240	462	609	660	65
90°	4	178	395	543	594	6
95°	4	119	326	470	525	4
105°	4	32	186	315	363	4
115°	3	3	76	173	214	3
125°	2	2	4	58	85	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°	1444.1	1444.1	1444.1	1444.1	1444.1
2.5°	1453.8	1448.6	1432.8	1441.1	1436.6
5°	1448.6	1443.3	1429.1	1437.3	1432.8
7.5°	1438.8	1435.1	1420.8	1429.8	1426.8
10°	1426.8	1423.1	1410.4	1420.8	1416.3
12.5°	1410.4	1406.6	1396.1	1406.6	1405.1
15°	1390.9	1387.9	1378.9	1390.9	1388.6
17.5°	1367.7	1365.4	1357.9	1372.9	1369.9
20°	1341.4	1340.0	1337.7	1351.2	1351.9
22.5°	1313.0	1313.0	1311.5	1326.5	1327.2
25°	1280.0	1280.8	1282.3	1302.5	1302.5
27.5°	1246.3	1248.6	1252.3	1271.8	1276.3
30°	1208.9	1212.6	1220.9	1241.8	1248.6
32.5°	1169.2	1175.2	1184.2	1210.4	1217.1
35°	1128.0	1134.0	1149.0	1177.4	1187.2
37.5°	1083.8	1090.5	1110.0	1142.2	1154.9
40°	1037.4	1044.8	1071.1	1111.5	1122.7
42.5°	990.2	1000.7	1032.9	1076.3	1093.5
45°	937.7	953.5	990.2	1042.6	1067.3
47.5°	885.3	904.0	949.7	1014.1	1044.1
50°	831.4	852.4	909.3	988.7	1023.1
52.5°	777.5	800.7	869.6	964.7	1002.2
55°	719.0	749.7	832.9	941.5	981.9
57.5°	665.1	698.1	799.9	918.3	962.5
60°	604.4	646.4	769.2	894.3	940.7
62.5°	544.5	594.7	740.0	869.6	915.3
65°	483.1	545.3	709.3	844.9	892.1
67.5°	422.4	495.1	680.8	819.4	868.1
70°	364.8	451.6	649.4	793.2	842.6
72.5°	304.1	413.4	620.2	765.5	814.9
75°	247.9	376.0	589.5	735.5	785.7
77.5°	191.0	340.8	559.5	705.6	757.2
80°	143.1	307.8	526.5	674.1	725.0
82.5°	97.4	274.9	494.3	641.9	695.1
85°	58.4	239.7	462.1	608.9	659.9
87.5°	26.2	209.0	426.9	575.2	628.4
90°	4.5	177.5	394.7	543.0	594.0
92.5°	5.2	149.0	361.8	508.6	559.5
95°	4.5	119.1	325.8	470.4	525.0
97.5°	4.5	93.6	287.6	432.9	483.1
100°	3.7	69.7	250.9	393.2	442.7
102.5°	3.7	49.4	218.0	354.3	403.7
105°	3.7	32.2	185.8	315.3	363.3
107.5°	3.7	18.0	154.3	277.9	326.6
110°	3.7	6.7	125.8	244.2	284.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.0	3.0	98.1	206.7	248.7
115°	3.0	3.0	75.6	173.0	214.2
117.5°	3.0	2.2	51.7	141.6	179.0
120°	3.0	2.2	32.2	113.1	145.3
122.5°	2.2	1.5	15.7	83.9	116.1
125°	2.2	1.5	3.7	57.7	84.6
127.5°	2.2	0.7	0.0	34.5	58.4
130°	1.5	0.7	0.0	16.5	34.5
132.5°	1.5	0.7	0.0	3.0	15.0
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)