

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: P289760

Luminaire Tested: **4SSRK-TS-60-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289760
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-L830-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH TRILOBE SMOOTH LENS AND 80 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5545.8 lumens
Efficiency: N/A
Efficacy: 123.8 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

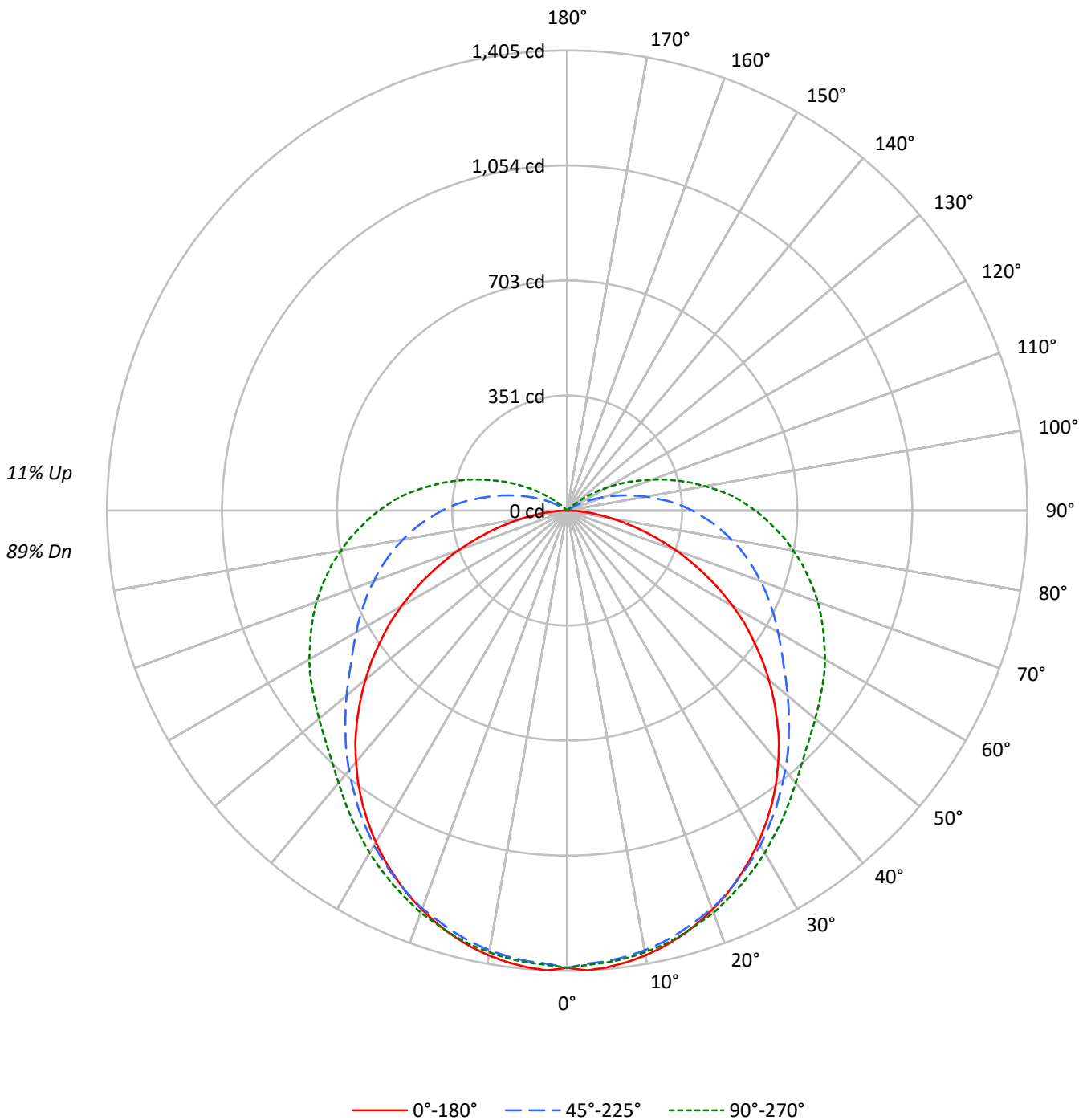
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	90151	90151	90151
5°	90445	71643	66513
10°	89787	59447	52650
15°	88902	50471	43319
20°	87788	43561	36571
25°	86489	37865	31314
30°	85100	33209	27196
35°	83531	29176	23805
40°	81687	25686	21003
45°	79483	22659	18846
50°	76930	20045	17231
55°	73870	17840	15922
60°	70392	16143	14816
65°	65511	14697	13758
70°	59742	13390	12828
75°	51741	12188	11898
80°	41605	11001	11004
85°	28360	9832	10117



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.1	2.4
10°-20°	378.4	6.8
20°-30°	574.6	10.4
30°-40°	698.4	12.6
40°-50°	745.4	13.4
50°-60°	731.0	13.2
60°-70°	667.9	12.0
70°-80°	566.8	10.2
80°-90°	441.1	8.0
90°-100°	311.0	5.6
100°-110°	184.9	3.3
110°-120°	87.5	1.6
120°-130°	25.3	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°	1085.0	19.6
0°-40°	1783.4	32.2
0°-60°	3259.8	58.8
0°-90°	4935.6	89.0
90°-120°	583.3	10.5
90°-150°	610.1	11.0
90°-180°	610.0	11.0
0°-180°	5545.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1396	1396	1396	1396	1396	
5°	1400	1395	1381	1389	1385	133
15°	1344	1342	1333	1344	1342	379
25°	1237	1238	1240	1259	1259	570
35°	1090	1096	1111	1138	1148	682
45°	906	922	957	1008	1032	699
55°	695	725	805	910	949	622
65°	467	527	686	817	862	463
75°	240	364	570	711	760	254
85°	56	232	447	589	638	63
90°	4	172	382	525	574	5
95°	4	115	315	455	508	4
105°	4	31	180	305	351	4
115°	3	3	73	167	207	3
125°	2	1	4	56	82	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°	1395.9	1395.9	1395.9	1395.9	1395.9
2.5°	1405.3	1400.2	1385.0	1393.0	1388.7
5°	1400.2	1395.2	1381.4	1389.4	1385.0
7.5°	1390.8	1387.2	1373.5	1382.1	1379.2
10°	1379.2	1375.6	1363.3	1373.5	1369.1
12.5°	1363.3	1359.7	1349.6	1359.7	1358.3
15°	1344.5	1341.6	1332.9	1344.5	1342.3
17.5°	1322.1	1319.9	1312.6	1327.1	1324.2
20°	1296.7	1295.3	1293.1	1306.1	1306.8
22.5°	1269.2	1269.2	1267.8	1282.2	1283.0
25°	1237.3	1238.1	1239.5	1259.1	1259.1
27.5°	1204.8	1206.9	1210.6	1229.4	1233.7
30°	1168.6	1172.2	1180.1	1200.4	1206.9
32.5°	1130.2	1136.0	1144.7	1170.0	1176.5
35°	1090.4	1096.2	1110.6	1138.2	1147.6
37.5°	1047.7	1054.2	1073.0	1104.1	1116.4
40°	1002.8	1010.0	1035.3	1074.4	1085.3
42.5°	957.1	967.3	998.4	1040.4	1057.1
45°	906.5	921.7	957.1	1007.8	1031.7
47.5°	855.8	873.9	918.1	980.3	1009.3
50°	803.7	823.9	879.0	955.7	989.0
52.5°	751.5	774.0	840.6	932.5	968.7
55°	695.1	724.7	805.1	910.1	949.2
57.5°	642.9	674.8	773.2	887.6	930.4
60°	584.3	624.8	743.6	864.5	909.4
62.5°	526.4	574.9	715.3	840.6	884.7
65°	467.0	527.1	685.6	816.7	862.3
67.5°	408.3	478.6	658.1	792.1	839.1
70°	352.6	436.6	627.7	766.7	814.5
72.5°	294.0	399.7	599.5	739.9	787.7
75°	239.6	363.5	569.8	711.0	759.5
77.5°	184.6	329.4	540.8	682.0	732.0
80°	138.3	297.6	509.0	651.6	700.8
82.5°	94.1	265.7	477.9	620.5	671.9
85°	56.5	231.7	446.7	588.6	637.9
87.5°	25.3	202.0	412.7	556.0	607.4
90°	4.3	171.6	381.6	524.9	574.1
92.5°	5.1	144.1	349.7	491.6	540.8
95°	4.3	115.1	314.9	454.7	507.5
97.5°	4.3	90.5	278.0	418.5	467.0
100°	3.6	67.3	242.5	380.1	427.9
102.5°	3.6	47.8	210.7	342.5	390.2
105°	3.6	31.1	179.6	304.8	351.1
107.5°	3.6	17.4	149.1	268.6	315.7
110°	3.6	6.5	121.6	236.0	275.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.9	2.9	94.8	199.8	240.4
115°	2.9	2.9	73.1	167.2	207.1
117.5°	2.9	2.2	50.0	136.8	173.0
120°	2.9	2.2	31.1	109.3	140.5
122.5°	2.2	1.4	15.2	81.1	112.2
125°	2.2	1.4	3.6	55.7	81.8
127.5°	2.2	0.7	0.0	33.3	56.5
130°	1.4	0.7	0.0	15.9	33.3
132.5°	1.4	0.7	0.0	2.9	14.5
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)