

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: **4SSRK-TB-60-L930-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: 4SSRK-TB-60-L930-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH TRILOBE RIBBED LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4687.6 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.08 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

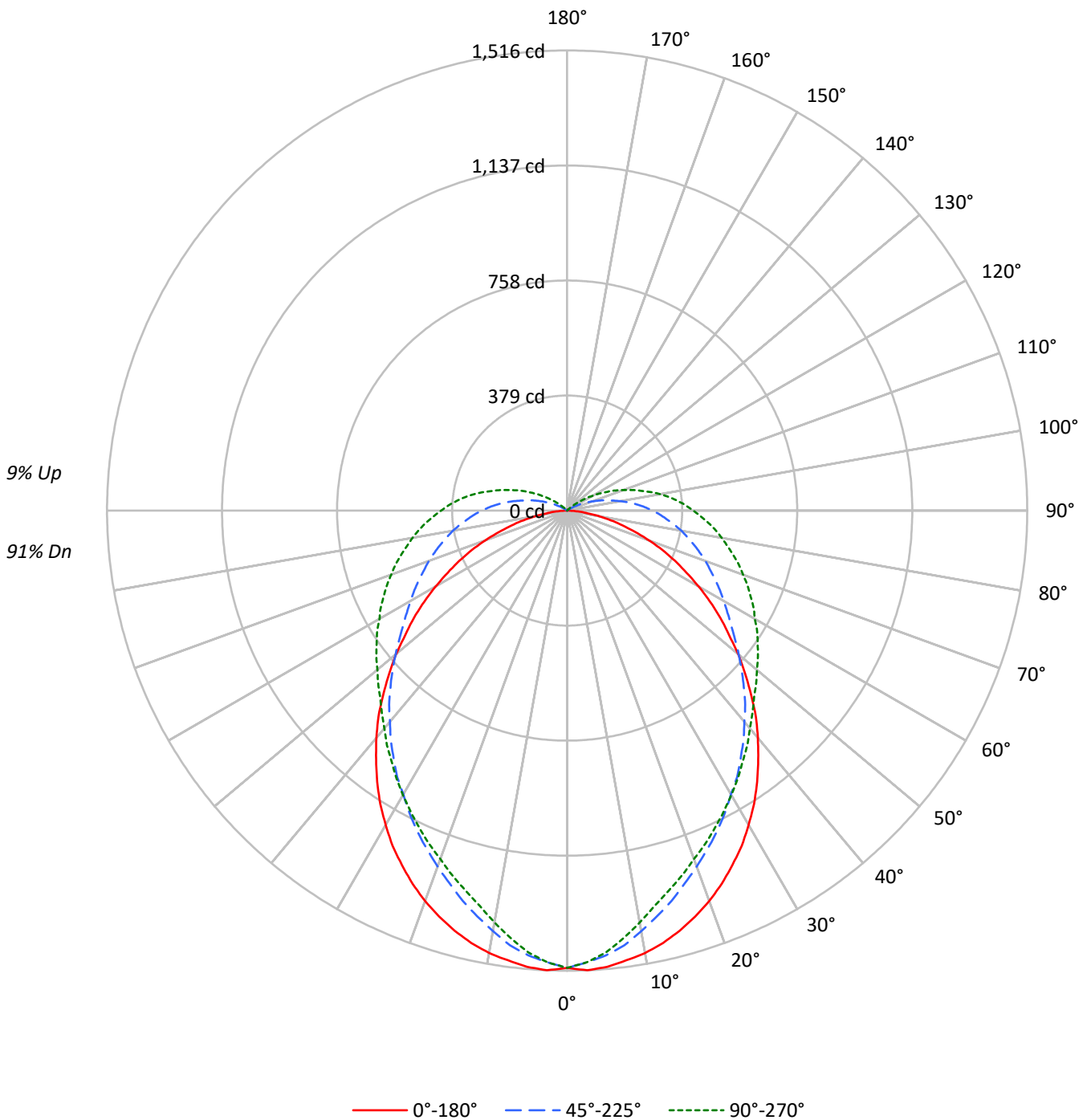
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	97281	97281	97281
5°	97453	76274	70172
10°	96362	61340	53000
15°	94741	50391	41799
20°	92662	42035	34189
25°	90040	35653	28673
30°	87066	30373	24375
35°	83593	26174	20913
40°	79610	22540	18133
45°	75081	19487	15903
50°	70393	16823	14216
55°	65549	14613	12852
60°	60296	12925	11633
65°	54906	11544	10636
70°	48627	10322	9714
75°	40987	9234	8881
80°	32099	8254	8120
85°	20229	7257	7412



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.5	3.0
10°-20°	380.1	8.1
20°-30°	549.9	11.7
30°-40°	639.7	13.6
40°-50°	651.1	13.9
50°-60°	605.9	12.9
60°-70°	527.6	11.3
70°-80°	429.5	9.2
80°-90°	325.3	6.9
90°-100°	225.6	4.8
100°-110°	132.6	2.8
110°-120°	62.2	1.3
120°-130°	17.7	0.4
130°-140°	1.0	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°	1069.5	22.8
0°-40°	1709.2	36.5
0°-60°	2966.2	63.3
0°-90°	4248.5	90.6
90°-120°	420.4	9.0
90°-150°	439.0	9.4
90°-180°	439.0	9.4
0°-180°	4687.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1506	1506	1506	1506	1506	
5°	1509	1497	1471	1471	1461	143
15°	1433	1395	1331	1307	1295	404
25°	1288	1231	1167	1158	1153	593
35°	1091	1034	996	1006	1008	682
45°	856	823	823	856	871	661
55°	617	614	660	738	766	551
65°	391	425	538	633	667	388
75°	190	278	432	531	567	203
85°	40	173	330	434	467	46
90°	0	126	280	382	415	2
95°	0	81	230	332	365	0
105°	0	19	130	221	251	0
115°	0	0	52	121	147	0
125°	0	0	2	40	59	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°	1506.3	1506.3	1506.3	1506.3	1506.3
2.5°	1515.8	1508.7	1489.7	1496.8	1489.7
5°	1508.7	1496.8	1470.7	1470.7	1461.2
7.5°	1494.5	1480.2	1444.6	1432.8	1420.9
10°	1480.2	1458.9	1406.7	1392.5	1378.2
12.5°	1458.9	1428.0	1368.7	1347.4	1333.2
15°	1432.8	1394.8	1330.8	1307.1	1295.2
17.5°	1401.9	1359.2	1288.1	1269.1	1259.6
20°	1368.7	1318.9	1247.8	1231.1	1221.7
22.5°	1330.8	1273.8	1207.4	1195.6	1188.4
25°	1288.1	1231.1	1167.1	1157.6	1152.9
27.5°	1245.4	1183.7	1124.4	1119.7	1117.3
30°	1195.6	1136.3	1079.3	1081.7	1081.7
32.5°	1145.8	1086.4	1041.4	1046.1	1046.1
35°	1091.2	1034.3	996.3	1005.8	1008.2
37.5°	1034.3	984.4	953.6	967.8	975.0
40°	977.3	932.3	908.5	929.9	937.0
42.5°	920.4	877.7	868.2	894.3	903.8
45°	856.3	823.1	823.1	856.3	870.6
47.5°	794.7	773.3	780.4	823.1	844.5
50°	735.4	718.8	737.7	792.3	816.0
52.5°	671.3	666.6	697.4	763.8	792.3
55°	616.8	614.4	659.5	737.7	766.2
57.5°	557.5	564.6	626.2	711.6	742.5
60°	500.5	514.8	595.4	685.6	714.0
62.5°	443.6	472.1	566.9	659.5	692.7
65°	391.4	424.6	538.5	633.4	666.6
67.5°	339.2	381.9	510.0	609.6	642.9
70°	287.0	344.0	483.9	583.6	616.8
72.5°	234.8	310.8	457.8	557.5	593.0
75°	189.8	277.5	431.7	531.4	566.9
77.5°	147.1	251.4	405.6	510.0	540.9
80°	106.7	223.0	381.9	483.9	517.1
82.5°	68.8	199.3	355.8	457.8	493.4
85°	40.3	173.2	329.7	434.1	467.3
87.5°	16.6	147.1	306.0	408.0	441.2
90°	0.0	125.7	279.9	381.9	415.1
92.5°	0.0	104.4	256.2	358.2	391.4
95°	0.0	80.7	230.1	332.1	365.3
97.5°	0.0	61.7	204.0	306.0	339.2
100°	0.0	47.4	177.9	275.2	310.8
102.5°	0.0	33.2	151.8	246.7	282.3
105°	0.0	19.0	130.5	220.6	251.4
107.5°	0.0	9.5	109.1	194.5	225.4
110°	0.0	2.4	87.8	168.4	196.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	68.8	144.7	173.2
115°	0.0	0.0	52.2	121.0	147.1
117.5°	0.0	0.0	35.6	99.6	123.4
120°	0.0	0.0	21.3	78.3	99.6
122.5°	0.0	0.0	9.5	59.3	78.3
125°	0.0	0.0	2.4	40.3	59.3
127.5°	0.0	0.0	0.0	23.7	40.3
130°	0.0	0.0	0.0	11.9	23.7
132.5°	0.0	0.0	0.0	2.4	9.5
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°	2.4	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)