

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: **8SSRK-TB-60-L940-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: 8SSRK-TB-60-L940-CD1-U
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH TRILOBE RIBBED LENS AND 90 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5054.4 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.08 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

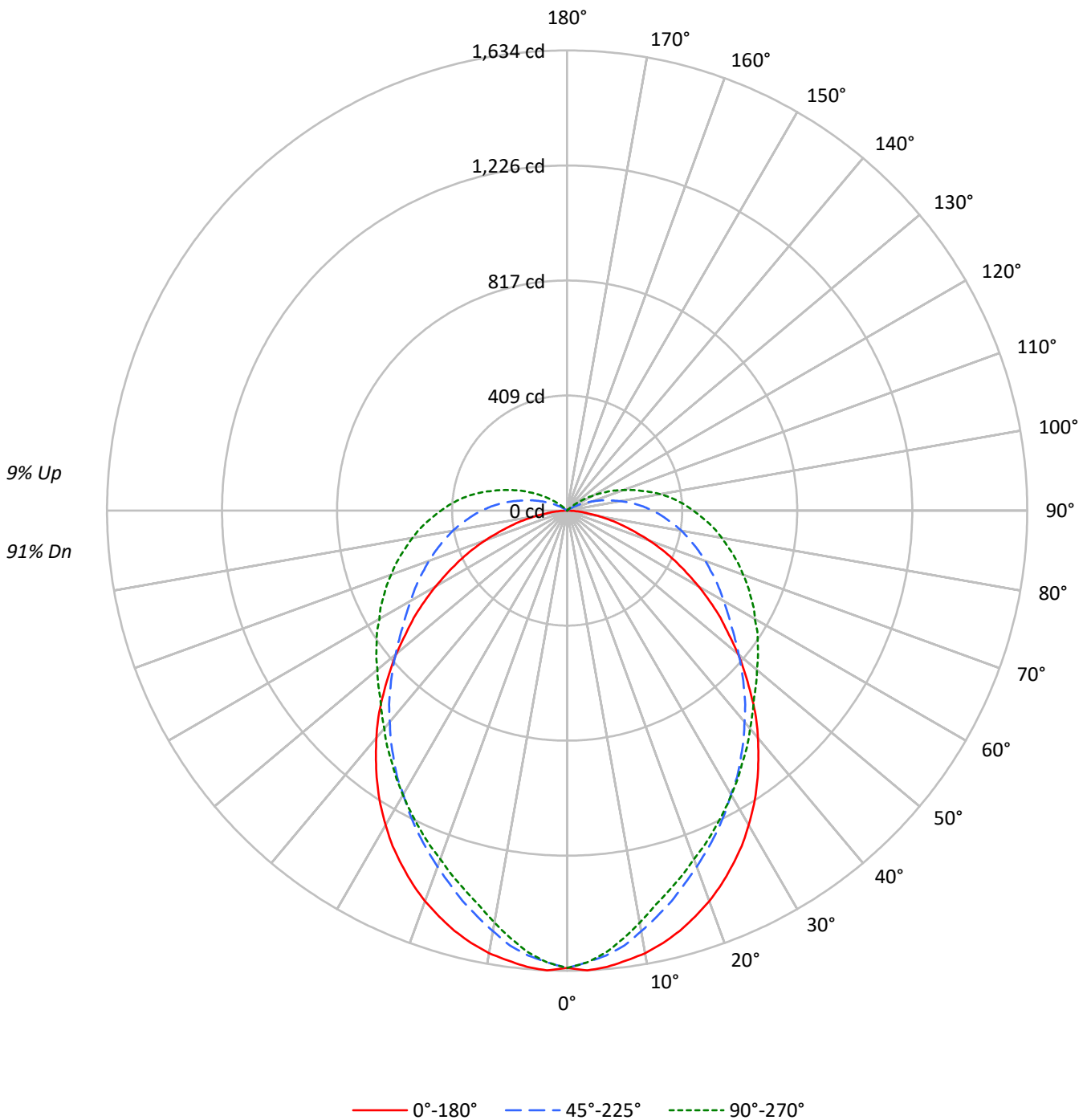
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	52448	52448	52448
5°	52633	41164	37833
10°	52141	33125	28575
15°	51360	27227	22534
20°	50333	22721	18431
25°	49010	19278	15458
30°	47495	16428	13141
35°	45715	14160	11274
40°	43658	12197	9776
45°	41304	10546	8574
50°	38868	9107	7665
55°	36357	7911	6929
60°	33641	6998	6272
65°	30865	6251	5733
70°	27639	5591	5237
75°	23685	5002	4788
80°	19142	4472	4378
85°	13017	3932	3996



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.4	3.0
10°-20°	409.8	8.1
20°-30°	593.0	11.7
30°-40°	689.7	13.6
40°-50°	702.1	13.9
50°-60°	653.3	12.9
60°-70°	568.9	11.3
70°-80°	463.1	9.2
80°-90°	350.8	6.9
90°-100°	243.3	4.8
100°-110°	143.0	2.8
110°-120°	67.0	1.3
120°-130°	19.1	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°	1153.2	22.8
0°-40°	1842.9	36.5
0°-60°	3198.3	63.3
0°-90°	4581.0	90.6
90°-120°	453.3	9.0
90°-150°	473.4	9.4
90°-180°	473.0	9.4
0°-180°	5054.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1624	1624	1624	1624	1624	
5°	1627	1614	1586	1586	1576	154
15°	1545	1504	1435	1409	1396	435
25°	1389	1328	1258	1248	1243	640
35°	1177	1115	1074	1084	1087	735
45°	923	888	888	923	939	713
55°	665	662	711	796	826	594
65°	422	458	581	683	719	418
75°	205	299	466	573	611	218
85°	44	187	356	468	504	50
90°	0	136	302	412	448	2
95°	0	87	248	358	394	0
105°	0	20	141	238	271	0
115°	0	0	56	130	159	0
125°	0	0	3	44	64	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°	3	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°	1624.2	1624.2	1624.2	1624.2	1624.2
2.5°	1634.4	1626.7	1606.3	1613.9	1606.3
5°	1626.7	1613.9	1585.8	1585.8	1575.6
7.5°	1611.4	1596.0	1557.7	1544.9	1532.1
10°	1596.0	1573.0	1516.7	1501.4	1486.1
12.5°	1573.0	1539.8	1475.8	1452.8	1437.5
15°	1544.9	1504.0	1434.9	1409.3	1396.5
17.5°	1511.6	1465.6	1388.9	1368.4	1358.2
20°	1475.8	1422.1	1345.4	1327.5	1317.2
22.5°	1434.9	1373.5	1301.9	1289.1	1281.4
25°	1388.9	1327.5	1258.4	1248.2	1243.1
27.5°	1342.8	1276.3	1212.4	1207.3	1204.7
30°	1289.1	1225.2	1163.8	1166.3	1166.3
32.5°	1235.4	1171.4	1122.9	1128.0	1128.0
35°	1176.6	1115.2	1074.3	1084.5	1087.0
37.5°	1115.2	1061.5	1028.2	1043.6	1051.2
40°	1053.8	1005.2	979.6	1002.6	1010.3
42.5°	992.4	946.4	936.1	964.3	974.5
45°	923.3	887.5	887.5	923.3	938.7
47.5°	856.8	833.8	841.5	887.5	910.6
50°	792.9	775.0	795.5	854.3	879.9
52.5°	723.8	718.7	752.0	823.6	854.3
55°	665.0	662.5	711.1	795.5	826.2
57.5°	601.1	608.7	675.2	767.3	800.6
60°	539.7	555.0	642.0	739.2	769.9
62.5°	478.3	509.0	611.3	711.1	746.9
65°	422.0	457.8	580.6	682.9	718.7
67.5°	365.8	411.8	549.9	657.3	693.2
70°	309.5	370.9	521.8	629.2	665.0
72.5°	253.2	335.1	493.6	601.1	639.4
75°	204.6	299.3	465.5	572.9	611.3
77.5°	158.6	271.1	437.4	549.9	583.2
80°	115.1	240.4	411.8	521.8	557.6
82.5°	74.2	214.9	383.7	493.6	532.0
85°	43.5	186.7	355.5	468.1	503.9
87.5°	17.9	158.6	329.9	439.9	475.7
90°	0.0	135.6	301.8	411.8	447.6
92.5°	0.0	112.5	276.2	386.2	422.0
95°	0.0	87.0	248.1	358.1	393.9
97.5°	0.0	66.5	220.0	329.9	365.8
100°	0.0	51.2	191.8	296.7	335.1
102.5°	0.0	35.8	163.7	266.0	304.4
105°	0.0	20.5	140.7	237.9	271.1
107.5°	0.0	10.2	117.7	209.7	243.0
110°	0.0	2.6	94.6	181.6	212.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	74.2	156.0	186.7
115°	0.0	0.0	56.3	130.4	158.6
117.5°	0.0	0.0	38.4	107.4	133.0
120°	0.0	0.0	23.0	84.4	107.4
122.5°	0.0	0.0	10.2	63.9	84.4
125°	0.0	0.0	2.6	43.5	63.9
127.5°	0.0	0.0	0.0	25.6	43.5
130°	0.0	0.0	0.0	12.8	25.6
132.5°	0.0	0.0	0.0	2.6	10.2
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°	2.6	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)