

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-L835-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-L835-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH TRILOBE RIBBED LENS AND 80 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5923.6 lumens
Efficiency: N/A
Efficacy: 132.2 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

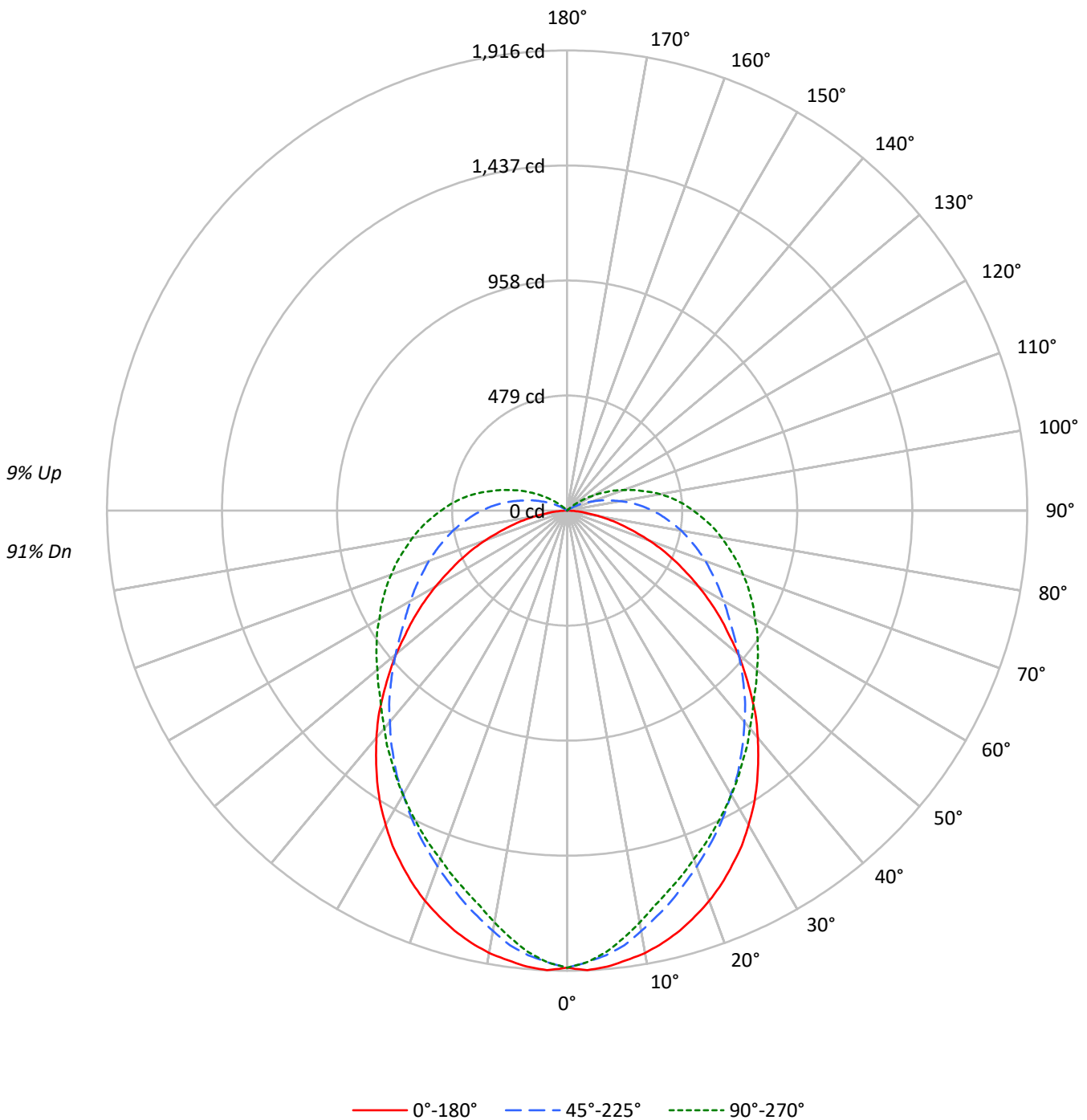
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	122934	122934	122934
5°	123149	96386	88676
10°	121771	77513	66975
15°	119722	63678	52820
20°	117096	53114	43203
25°	113778	45053	36231
30°	110020	38382	30802
35°	105632	33075	26427
40°	100602	28485	22915
45°	94879	24626	20095
50°	88953	21261	17966
55°	82829	18465	16241
60°	76198	16334	14700
65°	69383	14588	13439
70°	61453	13044	12275
75°	51785	11670	11223
80°	40582	10431	10262
85°	25599	9172	9366



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.2	3.0
10°-20°	480.3	8.1
20°-30°	694.9	11.7
30°-40°	808.4	13.6
40°-50°	822.8	13.9
50°-60°	765.6	12.9
60°-70°	666.7	11.3
70°-80°	542.7	9.2
80°-90°	411.1	6.9
90°-100°	285.1	4.8
100°-110°	167.6	2.8
110°-120°	78.6	1.3
120°-130°	22.4	0.4
130°-140°	1.2	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°	1351.5	22.8
0°-40°	2159.8	36.5
0°-60°	3748.3	63.3
0°-90°	5368.8	90.6
90°-120°	531.2	9.0
90°-150°	554.8	9.4
90°-180°	555.0	9.4
0°-180°	5923.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1904	1904	1904	1904	1904	
5°	1906	1892	1858	1858	1846	181
15°	1811	1763	1682	1652	1637	510
25°	1628	1556	1475	1463	1457	750
35°	1379	1307	1259	1271	1274	861
45°	1082	1040	1040	1082	1100	835
55°	779	776	833	932	968	696
65°	495	537	680	800	842	490
75°	240	351	546	672	716	256
85°	51	219	417	549	590	59
90°	0	159	354	483	525	3
95°	0	102	291	420	462	0
105°	0	24	165	279	318	0
115°	0	0	66	153	186	0
125°	0	0	3	51	75	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°	1903.5	1903.5	1903.5	1903.5	1903.5
2.5°	1915.5	1906.5	1882.5	1891.5	1882.5
5°	1906.5	1891.5	1858.5	1858.5	1846.5
7.5°	1888.5	1870.5	1825.5	1810.6	1795.6
10°	1870.5	1843.5	1777.6	1759.6	1741.6
12.5°	1843.5	1804.6	1729.6	1702.6	1684.7
15°	1810.6	1762.6	1681.7	1651.7	1636.7
17.5°	1771.6	1717.6	1627.7	1603.7	1591.7
20°	1729.6	1666.7	1576.7	1555.8	1543.8
22.5°	1681.7	1609.7	1525.8	1510.8	1501.8
25°	1627.7	1555.8	1474.8	1462.8	1456.8
27.5°	1573.7	1495.8	1420.9	1414.9	1411.9
30°	1510.8	1435.9	1363.9	1366.9	1366.9
32.5°	1447.8	1372.9	1316.0	1321.9	1321.9
35°	1378.9	1307.0	1259.0	1271.0	1274.0
37.5°	1307.0	1244.0	1205.0	1223.0	1232.0
40°	1235.0	1178.1	1148.1	1175.1	1184.1
42.5°	1163.1	1109.1	1097.1	1130.1	1142.1
45°	1082.1	1040.2	1040.2	1082.1	1100.1
47.5°	1004.2	977.2	986.2	1040.2	1067.1
50°	929.3	908.3	932.3	1001.2	1031.2
52.5°	848.3	842.3	881.3	965.2	1001.2
55°	779.4	776.4	833.3	932.3	968.2
57.5°	704.4	713.4	791.4	899.3	938.3
60°	632.5	650.5	752.4	866.3	902.3
62.5°	560.6	596.5	716.4	833.3	875.3
65°	494.6	536.6	680.5	800.4	842.3
67.5°	428.7	482.6	644.5	770.4	812.4
70°	362.7	434.7	611.5	737.4	779.4
72.5°	296.8	392.7	578.5	704.4	749.4
75°	239.8	350.7	545.6	671.5	716.4
77.5°	185.9	317.7	512.6	644.5	683.5
80°	134.9	281.8	482.6	611.5	653.5
82.5°	86.9	251.8	449.6	578.5	623.5
85°	51.0	218.8	416.7	548.6	590.5
87.5°	21.0	185.9	386.7	515.6	557.6
90°	0.0	158.9	353.7	482.6	524.6
92.5°	0.0	131.9	323.7	452.6	494.6
95°	0.0	101.9	290.8	419.7	461.6
97.5°	0.0	77.9	257.8	386.7	428.7
100°	0.0	60.0	224.8	347.7	392.7
102.5°	0.0	42.0	191.8	311.8	356.7
105°	0.0	24.0	164.9	278.8	317.7
107.5°	0.0	12.0	137.9	245.8	284.8
110°	0.0	3.0	110.9	212.8	248.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	86.9	182.9	218.8
115°	0.0	0.0	65.9	152.9	185.9
117.5°	0.0	0.0	45.0	125.9	155.9
120°	0.0	0.0	27.0	98.9	125.9
122.5°	0.0	0.0	12.0	74.9	98.9
125°	0.0	0.0	3.0	51.0	74.9
127.5°	0.0	0.0	0.0	30.0	51.0
130°	0.0	0.0	0.0	15.0	30.0
132.5°	0.0	0.0	0.0	3.0	12.0
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°	3.0	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)