

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-L830-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-L830-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH TRILOBE RIBBED LENS AND 80 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5823.1 lumens
Efficiency: N/A
Efficacy: 130.0 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

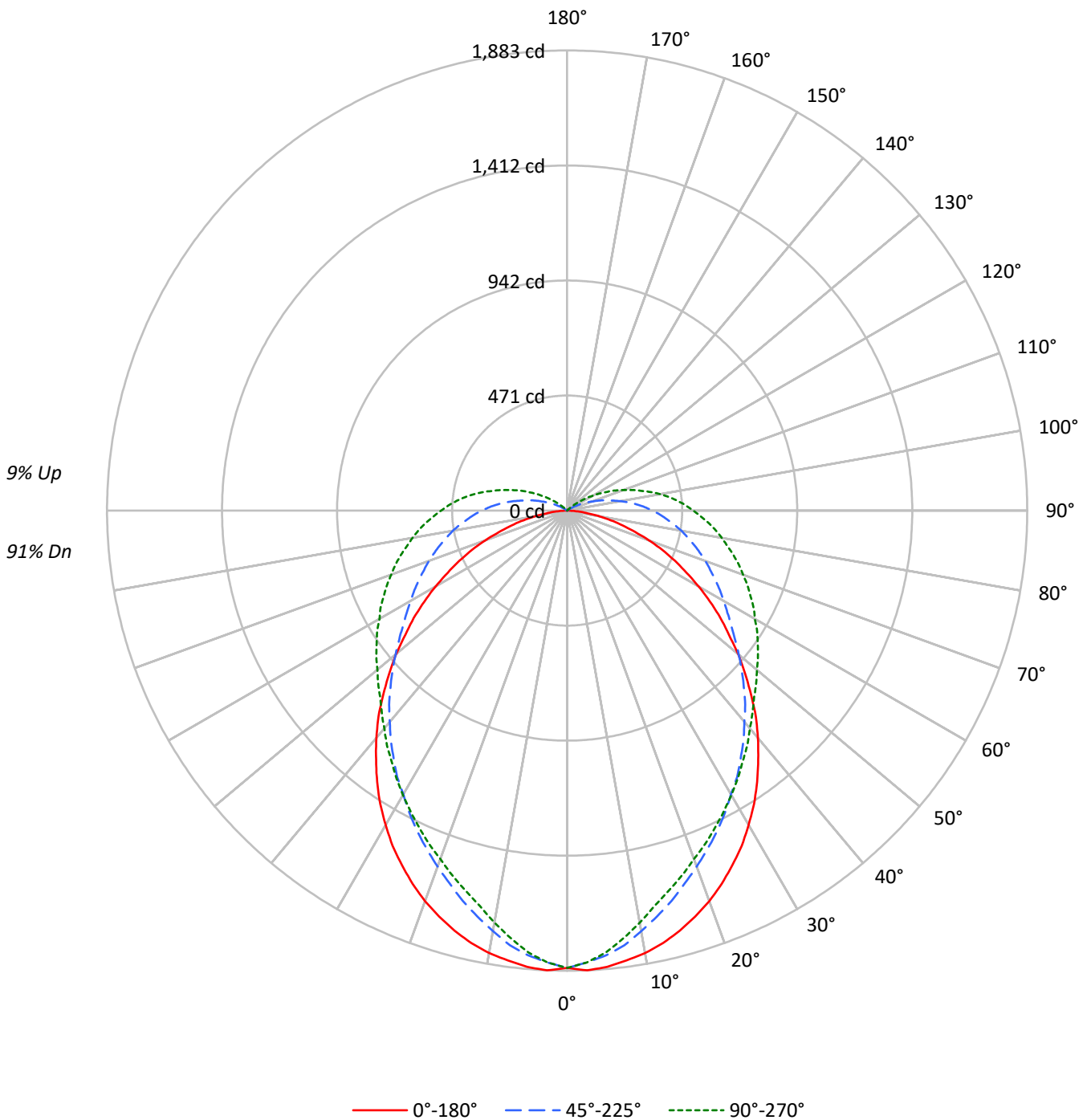
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	120848	120848	120848
5°	121062	94753	87173
10°	119708	76196	65841
15°	117692	62595	51923
20°	115112	52215	42470
25°	111849	44290	35617
30°	108155	37732	30279
35°	103840	32513	25979
40°	98899	28001	22526
45°	93275	24207	19756
50°	87440	20898	17661
55°	81426	18152	15966
60°	74909	16056	14451
65°	68205	14339	13211
70°	60419	12823	12067
75°	50899	11471	11034
80°	39890	10253	10087
85°	25148	9016	9207



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.2	3.0
10°-20°	472.2	8.1
20°-30°	683.1	11.7
30°-40°	794.6	13.6
40°-50°	808.9	13.9
50°-60°	752.6	12.9
60°-70°	655.4	11.3
70°-80°	533.5	9.2
80°-90°	404.1	6.9
90°-100°	280.3	4.8
100°-110°	164.7	2.8
110°-120°	77.2	1.3
120°-130°	22.0	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°	1328.5	22.8
0°-40°	2123.2	36.5
0°-60°	3684.7	63.3
0°-90°	5277.7	90.6
90°-120°	522.2	9.0
90°-150°	545.4	9.4
90°-180°	545.0	9.4
0°-180°	5823.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1871	1871	1871	1871	1871	
5°	1874	1859	1827	1827	1815	178
15°	1780	1733	1653	1624	1609	501
25°	1600	1529	1450	1438	1432	737
35°	1356	1285	1238	1249	1252	847
45°	1064	1022	1022	1064	1082	821
55°	766	763	819	916	952	684
65°	486	528	669	787	828	482
75°	236	345	536	660	704	252
85°	50	215	410	539	580	58
90°	0	156	348	474	516	3
95°	0	100	286	412	454	0
105°	0	24	162	274	312	0
115°	0	0	65	150	183	0
125°	0	0	3	50	74	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°	1871.2	1871.2	1871.2	1871.2	1871.2
2.5°	1883.0	1874.2	1850.6	1859.4	1850.6
5°	1874.2	1859.4	1827.0	1827.0	1815.2
7.5°	1856.5	1838.8	1794.6	1779.9	1765.1
10°	1838.8	1812.3	1747.4	1729.8	1712.1
12.5°	1812.3	1774.0	1700.3	1673.8	1656.1
15°	1779.9	1732.7	1653.1	1623.7	1608.9
17.5°	1741.5	1688.5	1600.1	1576.5	1564.7
20°	1700.3	1638.4	1550.0	1529.4	1517.6
22.5°	1653.1	1582.4	1499.9	1485.2	1476.3
25°	1600.1	1529.4	1449.8	1438.0	1432.1
27.5°	1547.1	1470.4	1396.8	1390.9	1387.9
30°	1485.2	1411.5	1340.8	1343.7	1343.7
32.5°	1423.3	1349.6	1293.6	1299.5	1299.5
35°	1355.5	1284.8	1237.6	1249.4	1252.4
37.5°	1284.8	1222.9	1184.6	1202.3	1211.1
40°	1214.1	1158.1	1128.6	1155.1	1164.0
42.5°	1143.3	1090.3	1078.5	1110.9	1122.7
45°	1063.8	1022.5	1022.5	1063.8	1081.5
47.5°	987.2	960.6	969.5	1022.5	1049.1
50°	913.5	892.9	916.4	984.2	1013.7
52.5°	833.9	828.0	866.4	948.9	984.2
55°	766.2	763.2	819.2	916.4	951.8
57.5°	692.5	701.3	777.9	884.0	922.3
60°	621.8	639.5	739.6	851.6	887.0
62.5°	551.0	586.4	704.3	819.2	860.5
65°	486.2	527.5	668.9	786.8	828.0
67.5°	421.4	474.4	633.6	757.3	798.6
70°	356.6	427.3	601.1	724.9	766.2
72.5°	291.7	386.0	568.7	692.5	736.7
75°	235.7	344.8	536.3	660.1	704.3
77.5°	182.7	312.4	503.9	633.6	671.9
80°	132.6	277.0	474.4	601.1	642.4
82.5°	85.5	247.5	442.0	568.7	612.9
85°	50.1	215.1	409.6	539.3	580.5
87.5°	20.6	182.7	380.1	506.8	548.1
90°	0.0	156.2	347.7	474.4	515.7
92.5°	0.0	129.7	318.3	445.0	486.2
95°	0.0	100.2	285.8	412.5	453.8
97.5°	0.0	76.6	253.4	380.1	421.4
100°	0.0	58.9	221.0	341.8	386.0
102.5°	0.0	41.3	188.6	306.5	350.7
105°	0.0	23.6	162.1	274.1	312.4
107.5°	0.0	11.8	135.6	241.6	279.9
110°	0.0	2.9	109.0	209.2	244.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	85.5	179.8	215.1
115°	0.0	0.0	64.8	150.3	182.7
117.5°	0.0	0.0	44.2	123.8	153.2
120°	0.0	0.0	26.5	97.2	123.8
122.5°	0.0	0.0	11.8	73.7	97.2
125°	0.0	0.0	2.9	50.1	73.7
127.5°	0.0	0.0	0.0	29.5	50.1
130°	0.0	0.0	0.0	14.7	29.5
132.5°	0.0	0.0	0.0	2.9	11.8
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°	2.9	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)