

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-40-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: 8SSRK-TB-40-L830-CD1-U
Description: 4000 LUMEN, 8 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: 3815.4 lumens
Efficiency: N/A
Efficacy: 141.2 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

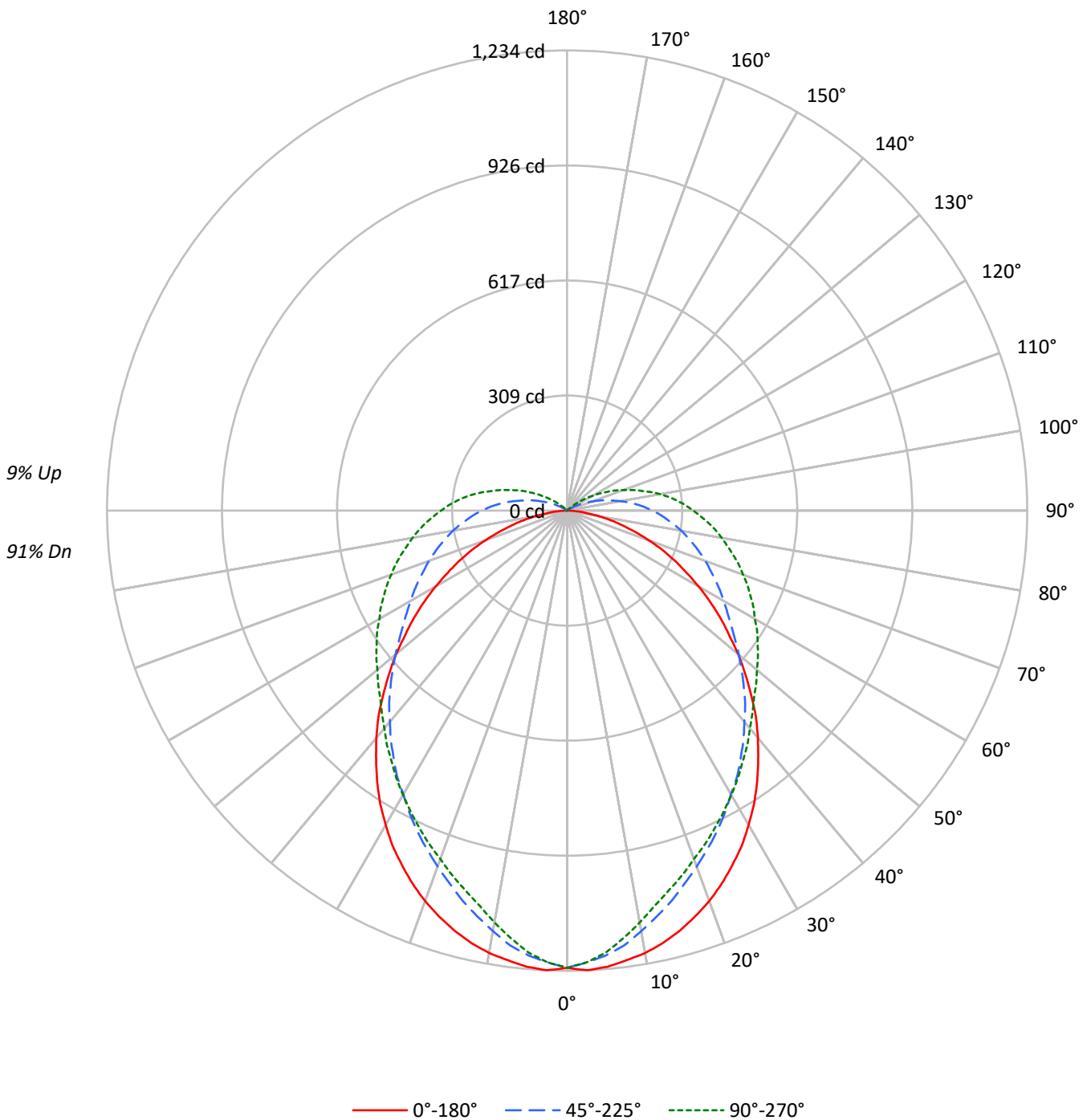
Input Watts (W): 27.0151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	39589	39589	39589
5°	39733	31074	28560
10°	39360	25007	21570
15°	38770	20554	17011
20°	37997	17151	13914
25°	36995	14552	11669
30°	35853	12401	9920
35°	34510	10688	8511
40°	32957	9207	7380
45°	31180	7961	6472
50°	29338	6874	5786
55°	27445	5972	5230
60°	25395	5283	4734
65°	23303	4719	4329
70°	20861	4221	3953
75°	17886	3776	3615
80°	14452	3376	3305
85°	9815	2969	3017



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.5	3.0
10°-20°	309.4	8.1
20°-30°	447.6	11.7
30°-40°	520.7	13.6
40°-50°	530.0	13.9
50°-60°	493.1	12.9
60°-70°	429.4	11.3
70°-80°	349.6	9.2
80°-90°	264.8	6.9
90°-100°	183.6	4.8
100°-110°	107.9	2.8
110°-120°	50.6	1.3
120°-130°	14.4	0.4
130°-140°	0.8	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°	870.5	22.8
0°-40°	1391.2	36.5
0°-60°	2414.3	63.3
0°-90°	3458.1	90.6
90°-120°	342.1	9.0
90°-150°	357.3	9.4
90°-180°	357.0	9.4
0°-180°	3815.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1226	1226	1226	1226	1226	
5°	1228	1218	1197	1197	1189	116
15°	1166	1135	1083	1064	1054	329
25°	1048	1002	950	942	938	483
35°	888	842	811	819	821	555
45°	697	670	670	697	709	538
55°	502	500	537	600	624	448
65°	319	346	438	516	543	316
75°	154	226	351	432	462	165
85°	33	141	268	353	380	38
90°	0	102	228	311	338	2
95°	0	66	187	270	297	0
105°	0	15	106	180	205	0
115°	0	0	42	98	120	0
125°	0	0	2	33	48	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°	1226.0	1226.0	1226.0	1226.0	1226.0
2.5°	1233.8	1228.0	1212.5	1218.3	1212.5
5°	1228.0	1218.3	1197.1	1197.1	1189.4
7.5°	1216.4	1204.8	1175.8	1166.2	1156.5
10°	1204.8	1187.4	1145.0	1133.4	1121.8
12.5°	1187.4	1162.3	1114.1	1096.7	1085.1
15°	1166.2	1135.3	1083.2	1063.9	1054.2
17.5°	1141.1	1106.3	1048.4	1033.0	1025.2
20°	1114.1	1073.5	1015.6	1002.1	994.4
22.5°	1083.2	1036.8	982.8	973.1	967.3
25°	1048.4	1002.1	949.9	942.2	938.4
27.5°	1013.7	963.5	915.2	911.3	909.4
30°	973.1	924.8	878.5	880.4	880.4
32.5°	932.6	884.3	847.6	851.5	851.5
35°	888.2	841.8	810.9	818.7	820.6
37.5°	841.8	801.3	776.2	787.8	793.6
40°	795.5	758.8	739.5	756.9	762.7
42.5°	749.1	714.4	706.7	727.9	735.6
45°	697.0	670.0	670.0	697.0	708.6
47.5°	646.8	629.4	635.2	670.0	687.4
50°	598.5	585.0	600.5	644.9	664.2
52.5°	546.4	542.6	567.7	621.7	644.9
55°	502.0	500.1	536.8	600.5	623.6
57.5°	453.7	459.5	509.7	579.2	604.3
60°	407.4	419.0	484.6	558.0	581.2
62.5°	361.1	384.2	461.5	536.8	563.8
65°	318.6	345.6	438.3	515.5	542.6
67.5°	276.1	310.9	415.1	496.2	523.2
70°	233.6	280.0	393.9	475.0	502.0
72.5°	191.1	252.9	372.6	453.7	482.7
75°	154.5	225.9	351.4	432.5	461.5
77.5°	119.7	204.7	330.2	415.1	440.2
80°	86.9	181.5	310.9	393.9	420.9
82.5°	56.0	162.2	289.6	372.6	401.6
85°	32.8	140.9	268.4	353.3	380.4
87.5°	13.5	119.7	249.1	332.1	359.1
90°	0.0	102.3	227.8	310.9	337.9
92.5°	0.0	85.0	208.5	291.5	318.6
95°	0.0	65.6	187.3	270.3	297.3
97.5°	0.0	50.2	166.0	249.1	276.1
100°	0.0	38.6	144.8	224.0	252.9
102.5°	0.0	27.0	123.6	200.8	229.8
105°	0.0	15.4	106.2	179.6	204.7
107.5°	0.0	7.7	88.8	158.3	183.4
110°	0.0	1.9	71.4	137.1	160.3



TEST NUMBER: P289643

CATALOG NUMBER: 8SSRK-TB-40-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	56.0	117.8	140.9
115°	0.0	0.0	42.5	98.5	119.7
117.5°	0.0	0.0	29.0	81.1	100.4
120°	0.0	0.0	17.4	63.7	81.1
122.5°	0.0	0.0	7.7	48.3	63.7
125°	0.0	0.0	1.9	32.8	48.3
127.5°	0.0	0.0	0.0	19.3	32.8
130°	0.0	0.0	0.0	9.7	19.3
132.5°	0.0	0.0	0.0	1.9	7.7
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°	1.9	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)