

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: P#

Luminaire Tested: **8RSRK-TB-50-HE-L930**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8RSRK-TB-50-HE-L930
Description: 8ft RSRK, 500 LUMEN PER FOOT 90CRI 3000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

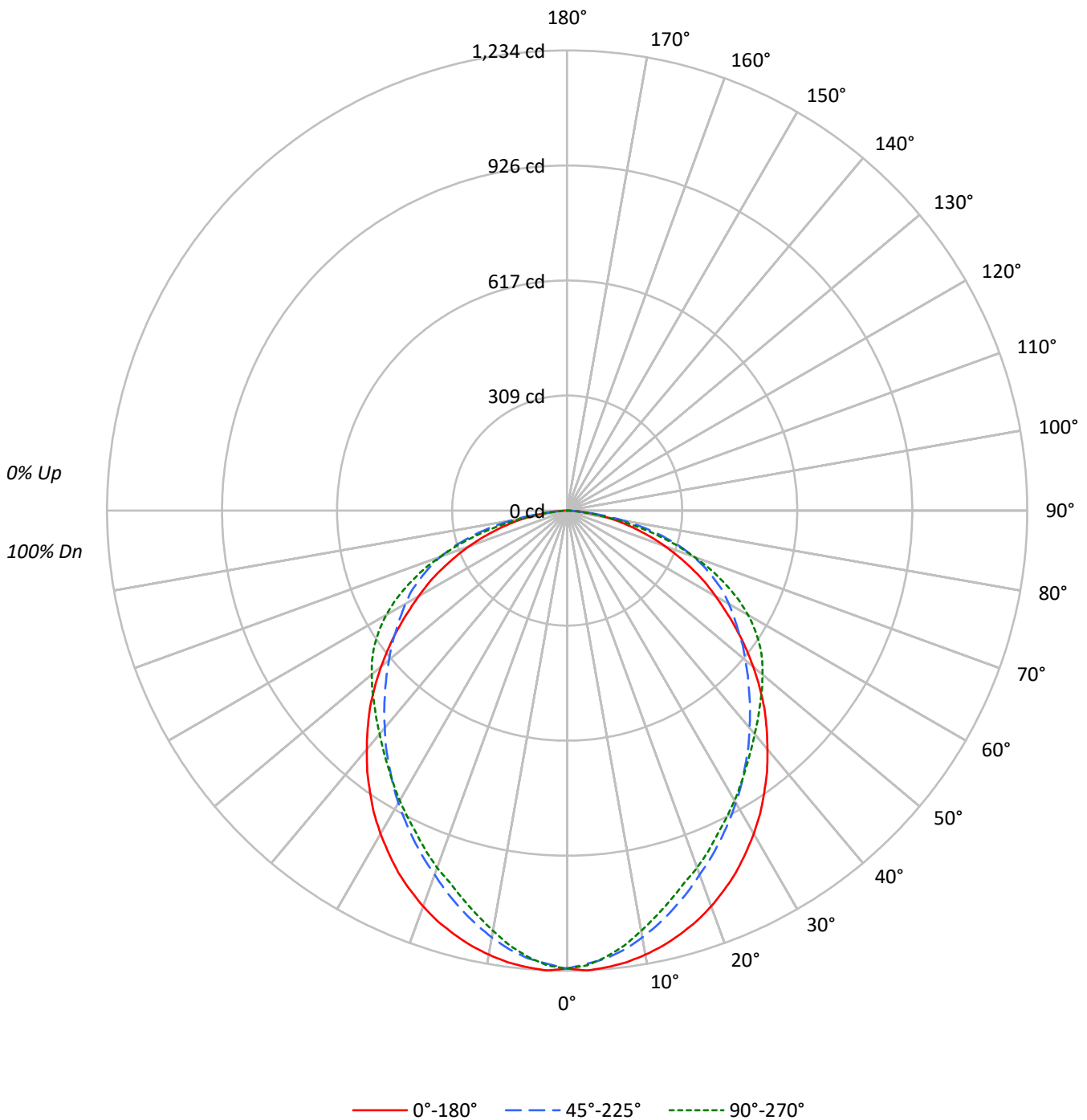
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3212.2 lumens
Efficiency: N/A
Efficacy: 224.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26
Luminous Opening: Rectangular (W 1' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 14.3
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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49					49			
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43					43			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33					33			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30					30			
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27					27			
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1652	1652	1652
5°	1660	1628	1623
10°	1652	1588	1563
15°	1637	1539	1503
20°	1617	1488	1459
25°	1590	1445	1419
30°	1555	1407	1395
35°	1514	1368	1376
40°	1468	1336	1374
45°	1423	1314	1392
50°	1364	1305	1431
55°	1299	1314	1480
60°	1238	1347	1509
65°	1178	1389	1496
70°	1101	1419	1422
75°	988	1377	1274
80°	865	1168	946
85°	650	618	400



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.5	3.6
10°-20°	314.9	9.8
20°-30°	458.1	14.3
30°-40°	535.8	16.7
40°-50°	550.8	17.1
50°-60°	512.4	16.0
60°-70°	416.8	13.0
70°-80°	252.4	7.9
80°-90°	56.5	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	887.5	27.6
0°-40°	1423.3	44.3
0°-60°	2486.4	77.4
0°-90°	3212.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3212.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1228	1228	1228	1228	1228	
5°	1229	1222	1205	1208	1201	117
15°	1175	1150	1105	1088	1079	331
25°	1071	1026	974	964	956	493
35°	922	872	833	838	838	577
45°	748	700	691	721	732	576
55°	554	524	560	617	631	496
65°	370	363	436	471	470	366
75°	190	226	265	253	245	203
85°	42	58	40	29	26	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1227.9	1227.9	1227.9	1227.9	1227.9
2.5°	1234.4	1228.8	1216.6	1223.5	1220.7
5°	1229.2	1221.9	1205.3	1207.7	1201.3
7.5°	1221.5	1211.0	1187.1	1182.3	1176.6
10°	1209.3	1194.0	1162.4	1154.8	1144.3
12.5°	1194.4	1174.6	1135.0	1121.2	1111.5
15°	1175.4	1150.3	1104.6	1088.0	1078.8
17.5°	1154.8	1123.6	1073.1	1056.1	1046.4
20°	1129.3	1093.7	1039.1	1025.0	1019.3
22.5°	1101.0	1060.2	1007.6	995.1	988.6
25°	1071.1	1025.8	973.6	963.9	955.8
27.5°	1035.9	989.8	939.3	932.4	926.7
30°	1000.7	953.4	905.3	900.4	898.0
32.5°	963.5	912.2	869.7	868.9	867.7
35°	921.5	872.5	832.9	838.2	837.8
37.5°	880.6	830.5	798.1	807.4	809.5
40°	835.7	786.8	760.9	776.7	782.4
42.5°	791.7	744.8	726.2	747.6	756.9
45°	747.6	699.5	690.6	720.9	731.8
47.5°	699.5	656.2	657.0	695.9	708.8
50°	651.8	611.3	623.5	668.8	683.7
52.5°	602.5	567.7	593.2	642.5	659.5
55°	553.9	523.6	560.0	617.0	630.8
57.5°	505.4	481.2	529.7	584.3	598.0
60°	460.1	439.1	500.6	550.3	560.8
62.5°	416.9	399.9	471.9	513.1	518.3
65°	370.0	363.1	436.3	471.0	469.8
67.5°	323.9	325.5	399.9	422.5	420.5
70°	279.8	292.7	360.7	370.0	361.5
72.5°	234.5	258.8	315.0	314.2	305.7
75°	190.0	226.0	264.8	253.1	245.0
77.5°	151.6	190.8	210.3	194.1	181.1
80°	111.6	152.8	150.8	132.6	122.1
82.5°	73.2	106.3	93.4	75.2	70.4
85°	42.1	57.8	40.0	29.1	25.9
87.5°	17.8	15.4	10.1	9.3	8.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)