

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-TS-50-HE-L935**

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 (G3-1810-975-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8RSRK-TS-50-HE-L935
Description: 8ft RSRK, 500 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

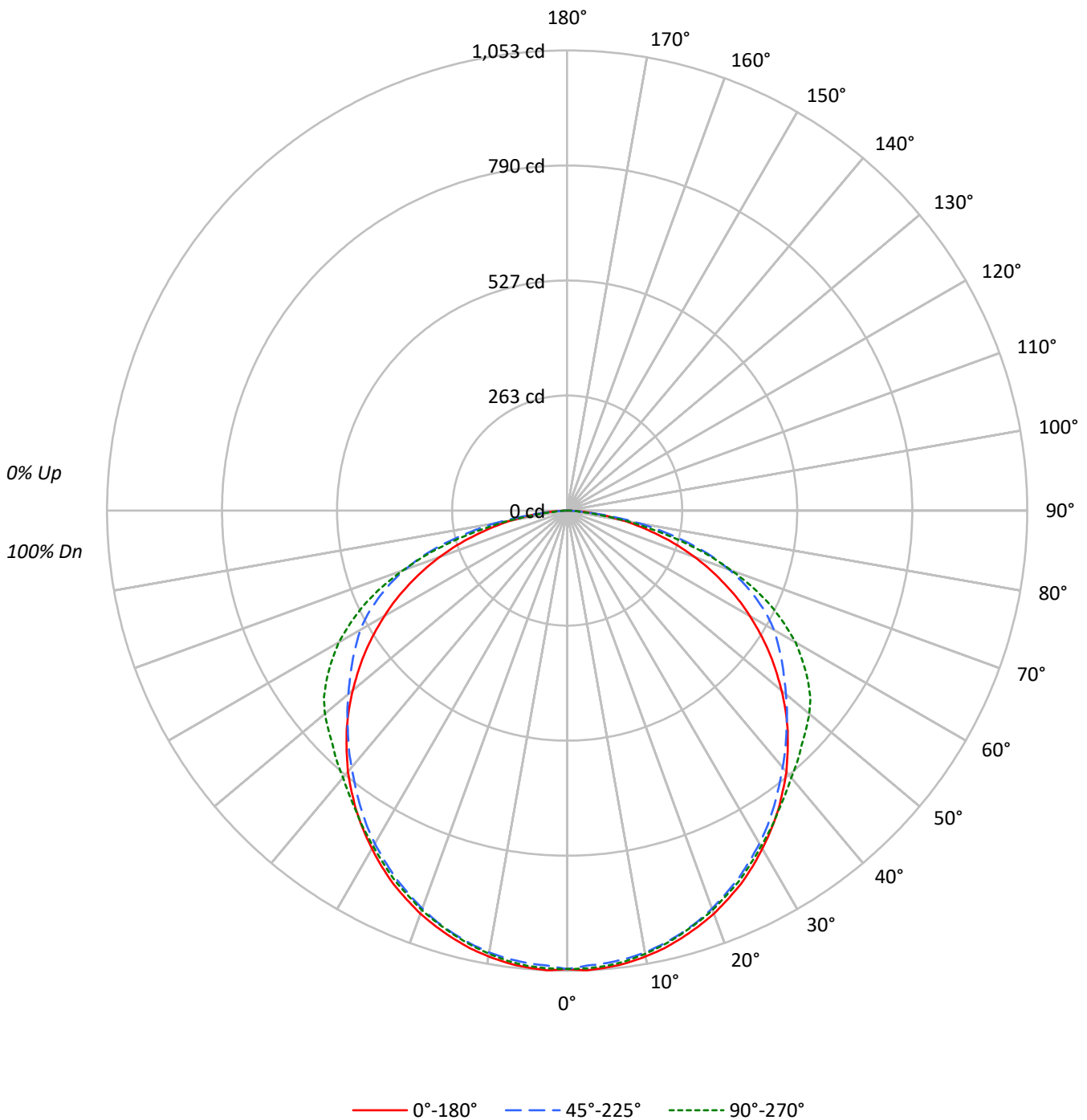
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3229.8 lumens
Efficiency: N/A
Efficacy: 225.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	108	103	99	95	105	101	97	93	97	93	90		93	90	87		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	72		77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61		70	65	60		68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51		62	56	51		60	54	50	48
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38		50	43	38		49	42	38	36
7	63	50	41	34	62	49	40	34	47	39	34		46	39	34		44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30		42	35	30		41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27		39	32	27		37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25		36	29	24		35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1412	1412	1412
5°	1418	1404	1412
10°	1415	1403	1407
15°	1411	1397	1399
20°	1406	1388	1393
25°	1399	1378	1386
30°	1388	1367	1378
35°	1380	1356	1382
40°	1371	1348	1401
45°	1358	1350	1444
50°	1341	1368	1515
55°	1323	1407	1575
60°	1300	1471	1625
65°	1268	1521	1637
70°	1220	1554	1574
75°	1123	1503	1406
80°	995	1293	1079
85°	716	655	428



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.3	3.1
10°-20°	284.3	8.8
20°-30°	430.5	13.3
30°-40°	522.1	16.2
40°-50°	558.6	17.3
50°-60°	541.4	16.8
60°-70°	453.4	14.0
70°-80°	278.6	8.6
80°-90°	61.5	1.9
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°	814.1	25.2
0°-40°	1336.3	41.4
0°-60°	2436.2	75.4
0°-90°	3229.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3229.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1049	1049	1049	1049	1049	
5°	1050	1047	1039	1046	1046	100
15°	1013	1011	1003	1007	1004	286
25°	942	936	928	934	934	434
35°	840	830	826	840	841	525
45°	714	698	710	746	759	550
55°	564	549	600	659	672	504
65°	398	396	478	510	514	394
75°	216	252	289	277	270	230
85°	46	62	42	29	28	58
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1049.1	1049.1	1049.1	1049.1	1049.1
2.5°	1053.0	1050.2	1042.3	1049.1	1048.5
5°	1049.6	1047.4	1039.4	1046.2	1045.7
7.5°	1044.5	1042.3	1034.3	1041.1	1039.4
10°	1036.0	1034.3	1027.0	1032.1	1029.8
12.5°	1025.9	1024.2	1015.7	1021.3	1018.5
15°	1012.8	1010.6	1002.7	1007.2	1004.4
17.5°	998.1	995.3	987.4	991.9	989.1
20°	981.7	977.8	969.3	975.5	972.7
22.5°	961.9	959.1	948.9	955.7	952.9
25°	942.1	936.5	928.0	934.2	933.6
27.5°	918.4	912.7	904.2	911.6	910.4
30°	893.5	887.2	879.9	887.2	887.2
32.5°	867.4	859.5	853.8	862.3	865.2
35°	840.3	829.5	825.6	839.7	841.4
37.5°	810.3	799.5	796.1	814.8	819.3
40°	780.3	766.7	767.3	791.0	797.8
42.5°	746.9	733.3	739.5	767.3	779.7
45°	713.5	698.2	709.6	745.8	758.8
47.5°	678.4	663.7	682.4	724.8	741.2
50°	640.5	625.8	653.5	705.0	723.7
52.5°	602.0	586.8	625.8	684.7	701.6
55°	564.1	548.9	599.8	659.2	671.6
57.5°	523.4	510.4	572.6	625.8	638.3
60°	483.2	471.9	546.6	591.9	603.7
62.5°	441.9	433.4	514.9	552.8	559.6
65°	398.3	396.1	477.6	509.8	514.3
67.5°	354.8	360.4	439.1	460.0	460.6
70°	310.1	325.4	395.0	404.0	400.0
72.5°	264.8	291.4	346.3	341.8	338.4
75°	216.1	252.4	289.1	276.7	270.5
77.5°	172.0	212.8	228.0	210.5	200.9
80°	128.4	168.1	166.9	144.3	139.2
82.5°	86.6	117.1	100.2	81.5	71.3
85°	46.4	62.2	42.4	29.4	27.7
87.5°	17.5	14.7	11.3	10.2	10.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)