

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-L835**

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-L835
Description: 8ft RSRK, 500 LUMEN PER FOOT 80CRI 3500K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

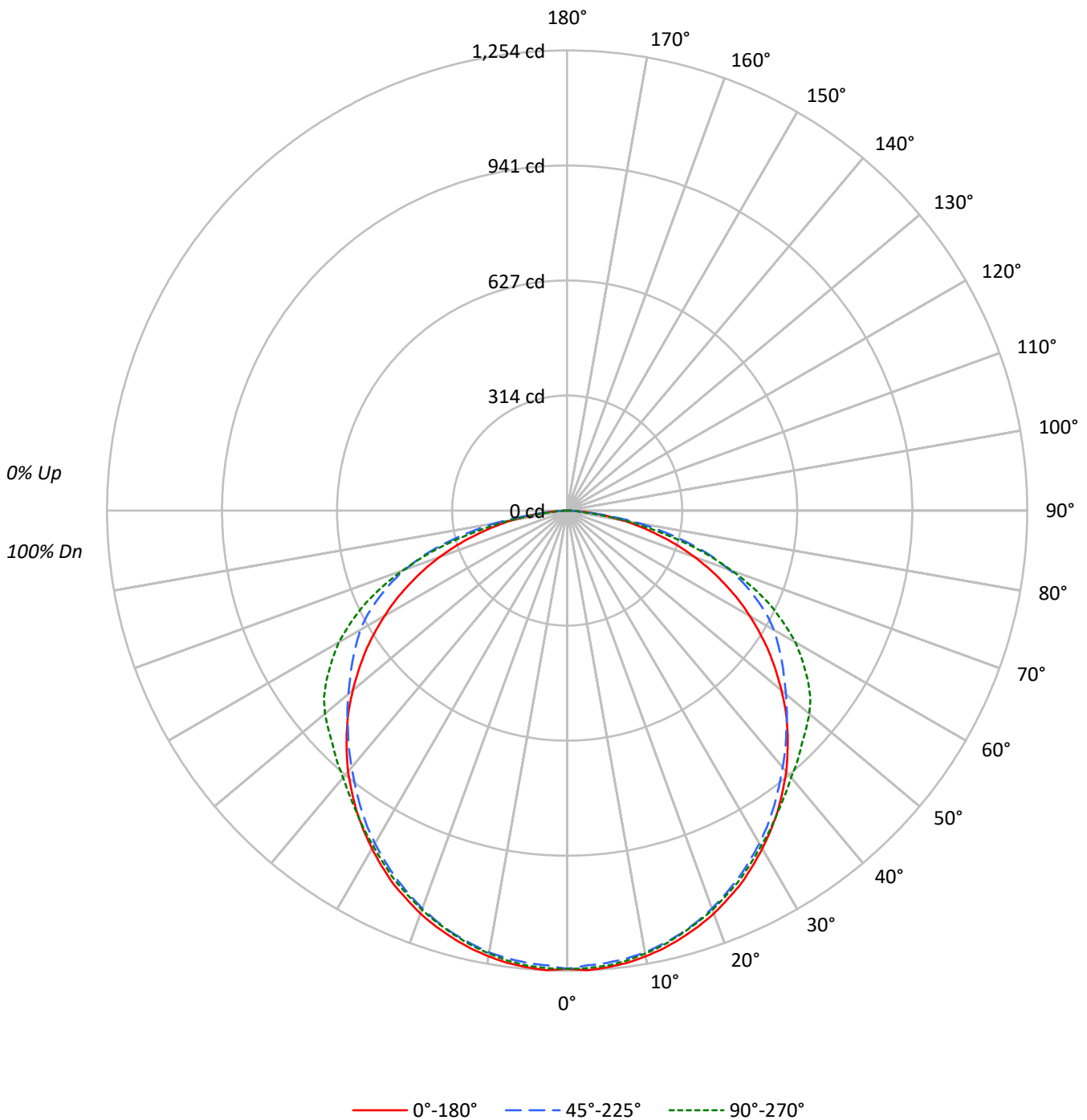
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3844.9 lumens
Efficiency: N/A
Efficacy: 268.9 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°	1680	1680	1680
5°	1688	1671	1681
10°	1685	1670	1675
15°	1680	1663	1666
20°	1673	1652	1658
25°	1665	1640	1650
30°	1652	1627	1641
35°	1643	1614	1645
40°	1632	1604	1668
45°	1616	1607	1719
50°	1596	1629	1804
55°	1575	1675	1876
60°	1548	1751	1934
65°	1510	1810	1949
70°	1452	1850	1873
75°	1338	1789	1674
80°	1185	1540	1284
85°	852	780	509



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.3	3.1
10°-20°	338.5	8.8
20°-30°	512.5	13.3
30°-40°	621.6	16.2
40°-50°	664.9	17.3
50°-60°	644.5	16.8
60°-70°	539.8	14.0
70°-80°	331.7	8.6
80°-90°	73.2	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°	969.2	25.2
0°-40°	1590.8	41.4
0°-60°	2900.2	75.4
0°-90°	3844.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3844.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1249	1249	1249	1249	1249	
5°	1250	1247	1237	1246	1245	119
15°	1206	1203	1194	1199	1196	340
25°	1122	1115	1105	1112	1112	517
35°	1000	988	983	1000	1002	626
45°	849	831	845	888	903	655
55°	672	653	714	785	800	600
65°	474	472	568	607	612	469
75°	257	300	344	329	322	274
85°	55	74	50	35	33	70
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1248.9	1248.9	1248.9	1248.9	1248.9
2.5°	1253.6	1250.2	1240.8	1248.9	1248.2
5°	1249.6	1246.9	1237.4	1245.5	1244.8
7.5°	1243.5	1240.8	1231.4	1239.4	1237.4
10°	1233.4	1231.4	1222.6	1228.7	1226.0
12.5°	1221.3	1219.2	1209.1	1215.9	1212.5
15°	1205.8	1203.1	1193.6	1199.0	1195.7
17.5°	1188.3	1184.9	1175.5	1180.8	1177.5
20°	1168.7	1164.0	1153.9	1161.3	1157.9
22.5°	1145.1	1141.8	1129.6	1137.7	1134.4
25°	1121.6	1114.8	1104.7	1112.1	1111.5
27.5°	1093.3	1086.5	1076.4	1085.2	1083.8
30°	1063.6	1056.2	1047.5	1056.2	1056.2
32.5°	1032.6	1023.2	1016.5	1026.6	1030.0
35°	1000.3	987.5	982.8	999.6	1001.7
37.5°	964.6	951.8	947.8	970.0	975.4
40°	928.9	912.7	913.4	941.7	949.8
42.5°	889.2	873.0	880.4	913.4	928.2
45°	849.4	831.2	844.7	887.8	903.3
47.5°	807.7	790.1	812.4	862.9	882.4
50°	762.5	745.0	778.0	839.3	861.6
52.5°	716.7	698.5	745.0	815.1	835.3
55°	671.6	653.4	714.0	784.8	799.6
57.5°	623.1	607.6	681.7	745.0	759.8
60°	575.3	561.8	650.7	704.6	718.7
62.5°	526.1	516.0	613.0	658.1	666.2
65°	474.2	471.5	568.5	606.9	612.3
67.5°	422.4	429.1	522.7	547.6	548.3
70°	369.1	387.3	470.2	481.0	476.2
72.5°	315.3	346.9	412.3	406.9	402.8
75°	257.3	300.4	344.2	329.4	322.0
77.5°	204.8	253.3	271.5	250.6	239.1
80°	152.9	200.1	198.7	171.8	165.7
82.5°	103.1	139.4	119.2	97.0	84.9
85°	55.2	74.1	50.5	35.0	33.0
87.5°	20.9	17.5	13.5	12.1	12.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)