

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-65-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-65-HE-L835
Description: 8ft RSRK, 650 LUMEN PER FOOT 80CRI 3500K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

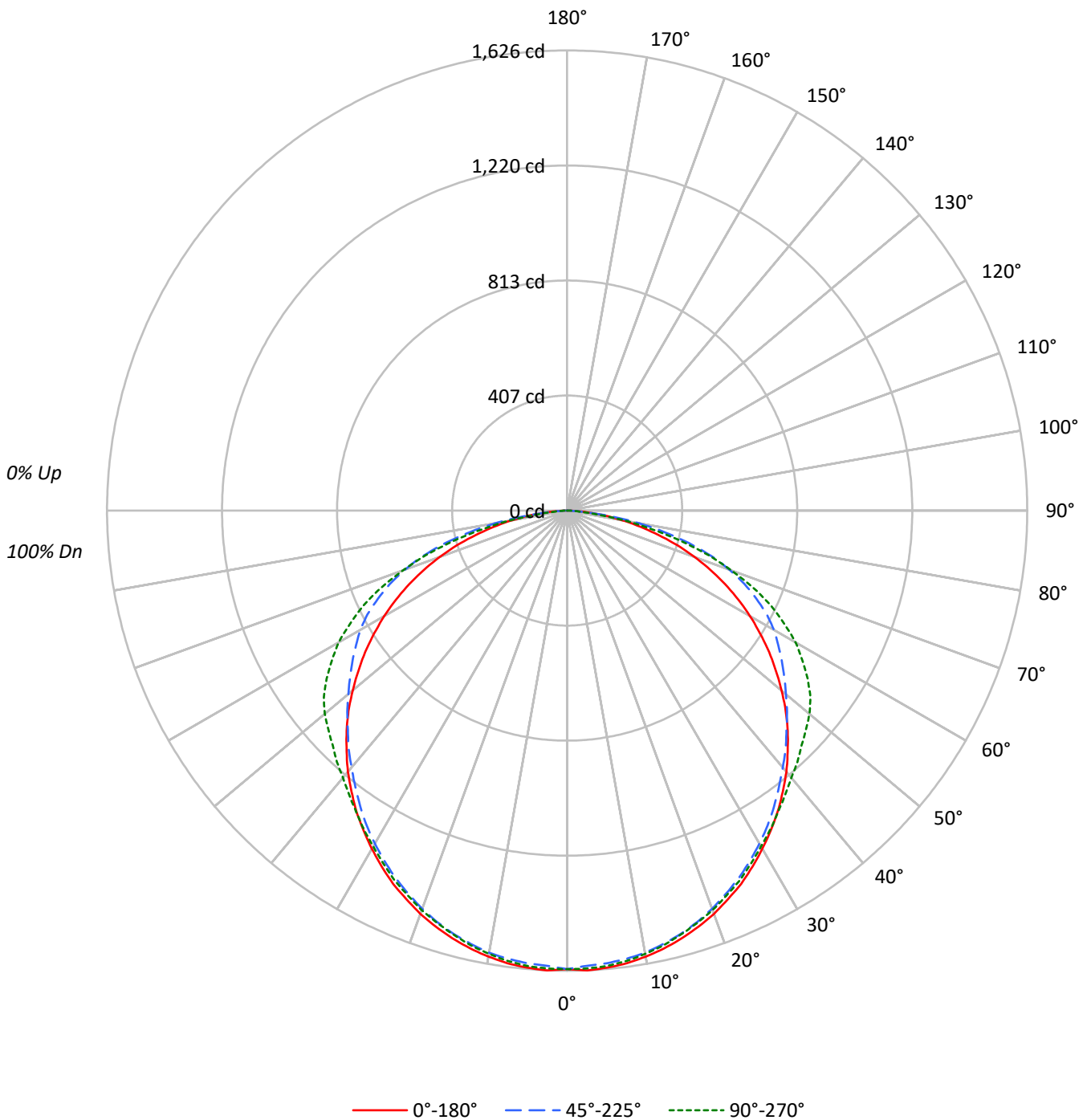
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4988.7 lumens
Efficiency: N/A
Efficacy: 264.0 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): 18.9
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

TEST NUMBER: P#
CATALOG NUMBER: 8RSRK-TS-65-HE-L835

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°	2180	2180	2180
5°	2190	2168	2182
10°	2186	2167	2173
15°	2179	2157	2161
20°	2171	2144	2151
25°	2160	2128	2141
30°	2144	2112	2129
35°	2132	2095	2135
40°	2117	2082	2164
45°	2097	2085	2230
50°	2071	2113	2340
55°	2044	2173	2434
60°	2009	2272	2510
65°	1959	2349	2529
70°	1884	2400	2431
75°	1736	2322	2172
80°	1537	1998	1666
85°	1107	1011	661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.4	3.1
10°-20°	439.1	8.8
20°-30°	665.0	13.3
30°-40°	806.5	16.2
40°-50°	862.8	17.3
50°-60°	836.2	16.8
60°-70°	700.3	14.0
70°-80°	430.3	8.6
80°-90°	95.0	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°	1257.5	25.2
0°-40°	2064.0	41.4
0°-60°	3763.0	75.4
0°-90°	4988.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4988.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1620	1620	1620	1620	1620	
5°	1621	1618	1606	1616	1615	154
15°	1564	1561	1549	1556	1551	442
25°	1455	1446	1433	1443	1442	670
35°	1298	1281	1275	1297	1300	812
45°	1102	1078	1096	1152	1172	850
55°	871	848	926	1018	1037	778
65°	615	612	738	788	794	608
75°	334	390	447	427	418	355
85°	72	96	66	45	43	90
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1620.4	1620.4	1620.4	1620.4	1620.4
2.5°	1626.5	1622.1	1609.9	1620.4	1619.5
5°	1621.3	1617.8	1605.5	1616.0	1615.2
7.5°	1613.4	1609.9	1597.7	1608.2	1605.5
10°	1600.3	1597.7	1586.3	1594.2	1590.7
12.5°	1584.6	1581.9	1568.8	1577.6	1573.2
15°	1564.5	1561.0	1548.7	1555.7	1551.3
17.5°	1541.7	1537.4	1525.1	1532.1	1527.8
20°	1516.4	1510.3	1497.2	1506.8	1502.4
22.5°	1485.8	1481.4	1465.7	1476.2	1471.8
25°	1455.2	1446.5	1433.4	1443.0	1442.1
27.5°	1418.5	1409.8	1396.7	1408.0	1406.3
30°	1380.0	1370.4	1359.1	1370.4	1370.4
32.5°	1339.8	1327.6	1318.9	1332.0	1336.3
35°	1297.9	1281.3	1275.2	1297.0	1299.6
37.5°	1251.6	1235.0	1229.7	1258.6	1265.6
40°	1205.2	1184.3	1185.1	1221.9	1232.3
42.5°	1153.7	1132.7	1142.3	1185.1	1204.4
45°	1102.1	1078.5	1096.0	1151.9	1172.0
47.5°	1047.9	1025.2	1054.0	1119.6	1144.9
50°	989.4	966.6	1009.5	1089.0	1117.8
52.5°	929.9	906.3	966.6	1057.5	1083.8
55°	871.4	847.8	926.4	1018.2	1037.4
57.5°	808.4	788.3	884.5	966.6	985.9
60°	746.4	728.9	844.3	914.2	932.6
62.5°	682.6	669.5	795.3	853.9	864.4
65°	615.3	611.8	737.7	787.5	794.5
67.5°	548.0	556.7	678.2	710.6	711.4
70°	479.0	502.5	610.1	624.0	617.9
72.5°	409.0	450.1	534.9	527.9	522.7
75°	333.9	389.8	446.6	427.4	417.8
77.5°	265.7	328.6	352.2	325.1	310.3
80°	198.4	259.6	257.8	222.9	215.0
82.5°	133.7	180.9	154.7	125.9	110.1
85°	71.7	96.1	65.5	45.4	42.8
87.5°	27.1	22.7	17.5	15.7	15.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)