

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: **4RSRK-TB-200-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 (G3-1810-975-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RSRK-TB-200-HE-L935
Description: 4ft RSRK, 2000 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

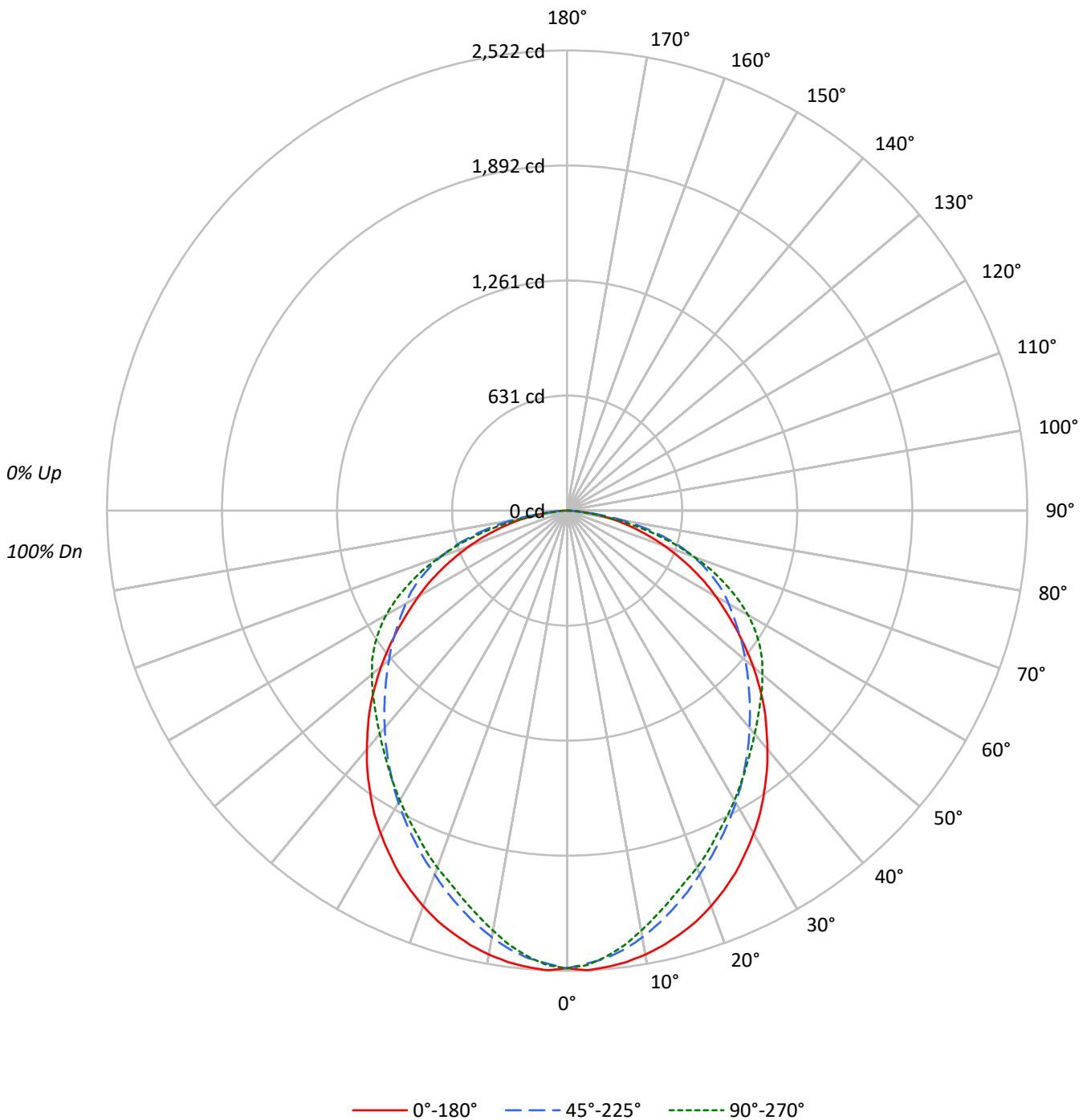
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6561.7 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 61.2
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	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°	6750	6750	6750
5°	6782	6651	6629
10°	6750	6489	6387
15°	6689	6286	6139
20°	6606	6079	5963
25°	6496	5905	5797
30°	6352	5746	5700
35°	6184	5589	5622
40°	5997	5460	5614
45°	5812	5369	5689
50°	5574	5332	5847
55°	5309	5367	6045
60°	5059	5503	6166
65°	4812	5675	6111
70°	4497	5796	5810
75°	4036	5625	5204
80°	3533	4775	3865
85°	2652	2526	1633



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.8	3.6
10°-20°	643.2	9.8
20°-30°	935.8	14.3
30°-40°	1094.5	16.7
40°-50°	1125.1	17.1
50°-60°	1046.7	16.0
60°-70°	851.4	13.0
70°-80°	515.7	7.9
80°-90°	115.5	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°	1812.8	27.6
0°-40°	2907.4	44.3
0°-60°	5079.1	77.4
0°-90°	6561.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6561.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2508	2508	2508	2508	2508	
5°	2511	2496	2462	2467	2454	238
15°	2401	2350	2256	2223	2204	677
25°	2188	2095	1989	1969	1952	1006
35°	1882	1782	1701	1712	1711	1178
45°	1527	1429	1411	1473	1495	1176
55°	1132	1070	1144	1260	1288	1013
65°	756	742	891	962	960	748
75°	388	462	541	517	500	416
85°	86	118	82	60	53	105
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2508.4	2508.4	2508.4	2508.4	2508.4
2.5°	2521.6	2510.0	2485.2	2499.3	2493.5
5°	2510.8	2496.0	2462.1	2467.1	2453.9
7.5°	2495.1	2473.7	2424.9	2415.0	2403.5
10°	2470.4	2439.0	2374.6	2358.9	2337.4
12.5°	2439.8	2399.3	2318.4	2290.3	2270.5
15°	2401.0	2349.8	2256.5	2222.6	2203.6
17.5°	2358.9	2295.3	2192.0	2157.3	2137.5
20°	2306.8	2234.2	2122.7	2093.7	2082.2
22.5°	2249.0	2165.6	2058.2	2032.6	2019.4
25°	2187.9	2095.4	1988.9	1969.0	1952.5
27.5°	2116.0	2021.9	1918.6	1904.6	1893.0
30°	2044.2	1947.6	1849.3	1839.4	1834.4
32.5°	1968.2	1863.3	1776.6	1774.9	1772.5
35°	1882.3	1782.4	1701.4	1712.2	1711.3
37.5°	1798.9	1696.5	1630.4	1649.4	1653.5
40°	1707.2	1607.3	1554.4	1586.6	1598.2
42.5°	1617.2	1521.4	1483.4	1527.2	1546.1
45°	1527.2	1428.9	1410.7	1472.6	1494.9
47.5°	1428.9	1340.5	1342.1	1421.4	1447.9
50°	1331.4	1248.8	1273.6	1366.1	1396.7
52.5°	1230.6	1159.6	1211.6	1312.4	1347.1
55°	1131.5	1069.6	1143.9	1260.4	1288.5
57.5°	1032.4	982.9	1082.0	1193.5	1221.6
60°	939.9	897.0	1022.5	1124.1	1145.6
62.5°	851.5	816.8	963.9	1048.1	1058.8
65°	755.7	741.7	891.2	962.2	959.7
67.5°	661.6	664.9	816.8	863.1	859.0
70°	571.5	598.0	736.7	755.7	738.4
72.5°	479.0	528.6	643.4	641.8	624.4
75°	388.2	461.7	541.0	517.0	500.5
77.5°	309.7	389.8	429.5	396.4	370.0
80°	228.0	312.2	308.1	270.9	249.4
82.5°	149.5	217.2	190.8	153.6	143.7
85°	85.9	118.1	81.8	59.5	52.9
87.5°	36.3	31.4	20.6	19.0	17.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)