

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-65-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-65-HE-L935
Description: 4ft RSRK, 650 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

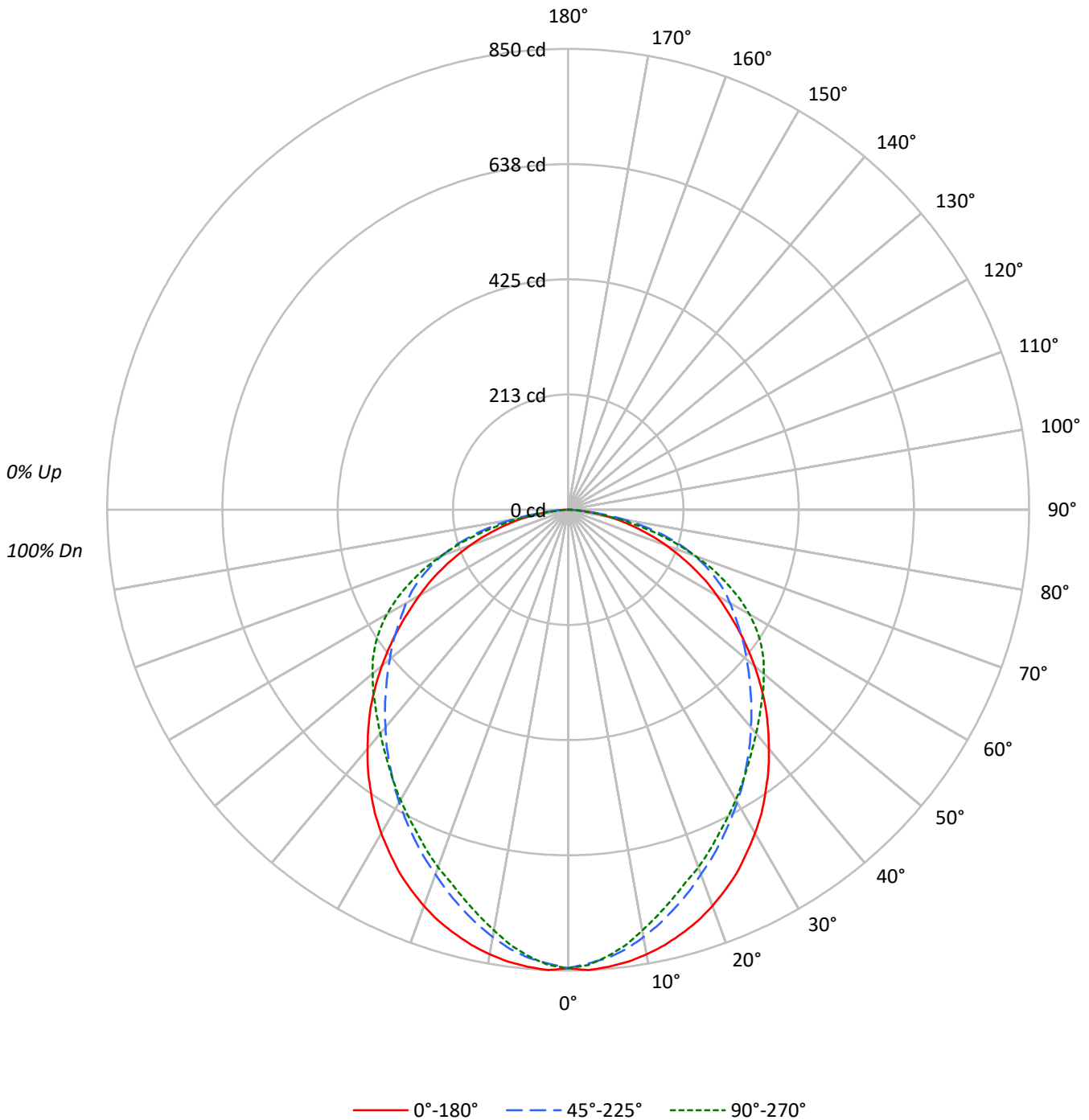
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2212.0 lumens
Efficiency: N/A
Efficacy: 117.0 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): 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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2275	2275	2275
5°	2286	2242	2234
10°	2276	2187	2153
15°	2255	2119	2070
20°	2227	2049	2010
25°	2190	1991	1954
30°	2141	1937	1922
35°	2084	1884	1895
40°	2022	1841	1893
45°	1959	1810	1918
50°	1879	1797	1971
55°	1790	1809	2038
60°	1706	1855	2079
65°	1622	1913	2060
70°	1516	1954	1958
75°	1361	1896	1754
80°	1190	1610	1303
85°	895	852	550



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.8	3.6
10°-20°	216.8	9.8
20°-30°	315.5	14.3
30°-40°	369.0	16.7
40°-50°	379.3	17.1
50°-60°	352.8	16.0
60°-70°	287.0	13.0
70°-80°	173.8	7.9
80°-90°	38.9	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°	611.1	27.6
0°-40°	980.1	44.3
0°-60°	1712.2	77.4
0°-90°	2212.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2212.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	846	846	846	846	846	
5°	846	841	830	832	827	80
15°	809	792	761	749	743	228
25°	738	706	670	664	658	339
35°	634	601	574	577	577	397
45°	515	482	476	496	504	396
55°	382	361	386	425	434	341
65°	255	250	300	324	324	252
75°	131	156	182	174	169	140
85°	29	40	28	20	18	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	845.6	845.6	845.6	845.6	845.6
2.5°	850.0	846.2	837.8	842.5	840.6
5°	846.4	841.4	830.0	831.7	827.2
7.5°	841.1	833.9	817.5	814.1	810.2
10°	832.8	822.2	800.5	795.2	788.0
12.5°	822.5	808.8	781.6	772.1	765.4
15°	809.4	792.1	760.7	749.3	742.9
17.5°	795.2	773.8	739.0	727.3	720.6
20°	777.7	753.2	715.6	705.8	701.9
22.5°	758.2	730.0	693.8	685.2	680.8
25°	737.6	706.4	670.5	663.8	658.2
27.5°	713.3	681.6	646.8	642.1	638.2
30°	689.1	656.5	623.4	620.1	618.4
32.5°	663.5	628.1	598.9	598.3	597.5
35°	634.5	600.9	573.6	577.2	576.9
37.5°	606.4	571.9	549.6	556.0	557.4
40°	575.5	541.8	524.0	534.9	538.8
42.5°	545.2	512.9	500.1	514.8	521.2
45°	514.8	481.7	475.6	496.4	504.0
47.5°	481.7	451.9	452.4	479.2	488.1
50°	448.8	421.0	429.3	460.5	470.8
52.5°	414.9	390.9	408.5	442.4	454.1
55°	381.5	360.6	385.6	424.9	434.4
57.5°	348.0	331.3	364.7	402.3	411.8
60°	316.9	302.4	344.7	378.9	386.2
62.5°	287.1	275.4	324.9	353.3	356.9
65°	254.8	250.0	300.4	324.4	323.5
67.5°	223.0	224.1	275.4	291.0	289.6
70°	192.7	201.6	248.4	254.8	248.9
72.5°	161.5	178.2	216.9	216.3	210.5
75°	130.9	155.6	182.4	174.3	168.7
77.5°	104.4	131.4	144.8	133.6	124.7
80°	76.8	105.2	103.9	91.3	84.1
82.5°	50.4	73.2	64.3	51.8	48.4
85°	29.0	39.8	27.6	20.0	17.8
87.5°	12.3	10.6	7.0	6.4	5.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)