

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-L835**

Issue Date: 3/3/2020



**Test Information**

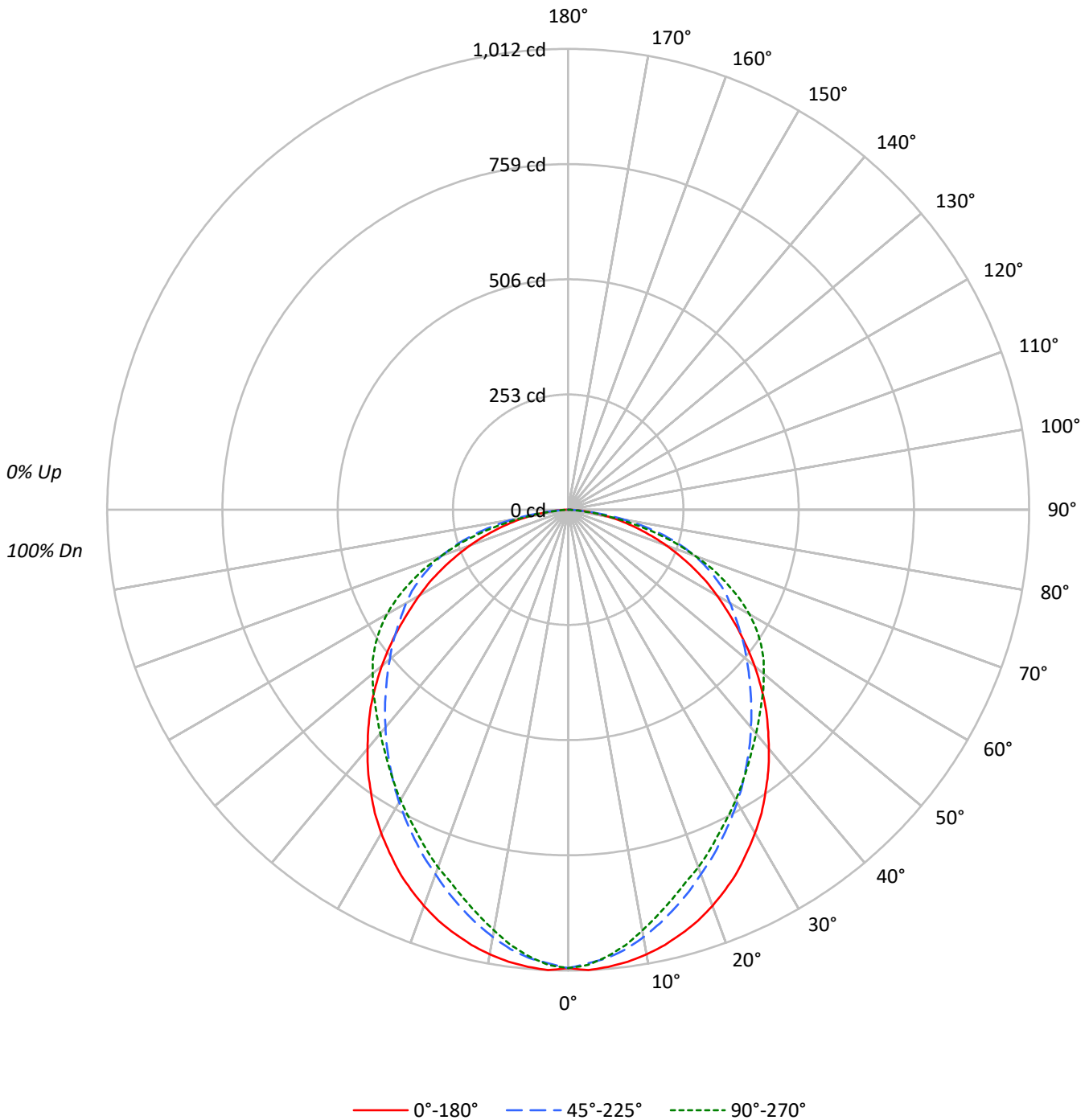
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4RSRK-TB-65-HE-L835  
Description: 4ft RSRK, 650 LUMEN PER FOOT 80CRI 3500K CCT WITH TRILOBE RIBBED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2633.4 lumens  
Efficiency: N/A  
Efficacy: 139.3 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	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°	2709	2709	2709
5°	2722	2669	2660
10°	2709	2604	2563
15°	2684	2523	2464
20°	2651	2440	2393
25°	2607	2370	2327
30°	2549	2306	2288
35°	2482	2243	2256
40°	2407	2191	2253
45°	2332	2154	2283
50°	2237	2140	2346
55°	2130	2154	2426
60°	2030	2209	2474
65°	1931	2278	2453
70°	1805	2327	2331
75°	1620	2257	2089
80°	1418	1915	1551
85°	1065	1013	655



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.8	3.6
10°-20°	258.1	9.8
20°-30°	375.6	14.3
30°-40°	439.3	16.7
40°-50°	451.5	17.1
50°-60°	420.1	16.0
60°-70°	341.7	13.0
70°-80°	207.0	7.9
80°-90°	46.4	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°	727.5	27.6
0°-40°	1166.8	44.3
0°-60°	2038.3	77.4
0°-90°	2633.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2633.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1007	1007	1007	1007	1007	
5°	1008	1002	988	990	985	96
15°	964	943	906	892	884	272
25°	878	841	798	790	784	404
35°	755	715	683	687	687	473
45°	613	573	566	591	600	472
55°	454	429	459	506	517	406
65°	303	298	358	386	385	300
75°	156	185	217	208	201	167
85°	34	47	33	24	21	42
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1006.7	1006.7	1006.7	1006.7	1006.7
2.5°	1012.0	1007.3	997.4	1003.0	1000.7
5°	1007.7	1001.7	988.1	990.1	984.8
7.5°	1001.4	992.7	973.2	969.2	964.6
10°	991.4	978.8	953.0	946.7	938.0
12.5°	979.1	962.9	930.4	919.2	911.2
15°	963.6	943.0	905.6	892.0	884.3
17.5°	946.7	921.1	879.7	865.8	857.8
20°	925.8	896.6	851.9	840.3	835.6
22.5°	902.6	869.1	826.0	815.7	810.4
25°	878.1	840.9	798.2	790.2	783.6
27.5°	849.2	811.4	770.0	764.4	759.7
30°	820.4	781.6	742.2	738.2	736.2
32.5°	789.9	747.8	713.0	712.3	711.3
35°	755.4	715.3	682.8	687.1	686.8
37.5°	721.9	680.8	654.3	661.9	663.6
40°	685.1	645.0	623.8	636.7	641.4
42.5°	649.0	610.6	595.3	612.9	620.5
45°	612.9	573.4	566.1	591.0	600.0
47.5°	573.4	538.0	538.6	570.5	581.1
50°	534.3	501.2	511.1	548.2	560.5
52.5°	493.9	465.4	486.3	526.7	540.6
55°	454.1	429.2	459.1	505.8	517.1
57.5°	414.3	394.4	434.2	479.0	490.2
60°	377.2	360.0	410.4	451.1	459.7
62.5°	341.7	327.8	386.8	420.6	424.9
65°	303.3	297.7	357.7	386.2	385.2
67.5°	265.5	266.8	327.8	346.4	344.7
70°	229.4	240.0	295.7	303.3	296.3
72.5°	192.2	212.1	258.2	257.5	250.6
75°	155.8	185.3	217.1	207.5	200.9
77.5°	124.3	156.5	172.4	159.1	148.5
80°	91.5	125.3	123.6	108.7	100.1
82.5°	60.0	87.2	76.6	61.7	57.7
85°	34.5	47.4	32.8	23.9	21.2
87.5°	14.6	12.6	8.3	7.6	7.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)