

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-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 (G3-1811-041-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4RSRK-65-HE-L835  
Description: 4ft RSRK, 650 LUMEN PER FOOT 80CRI 3500K CCT WITH NO LENS  
Light Source: -  
Ballast/Driver: -

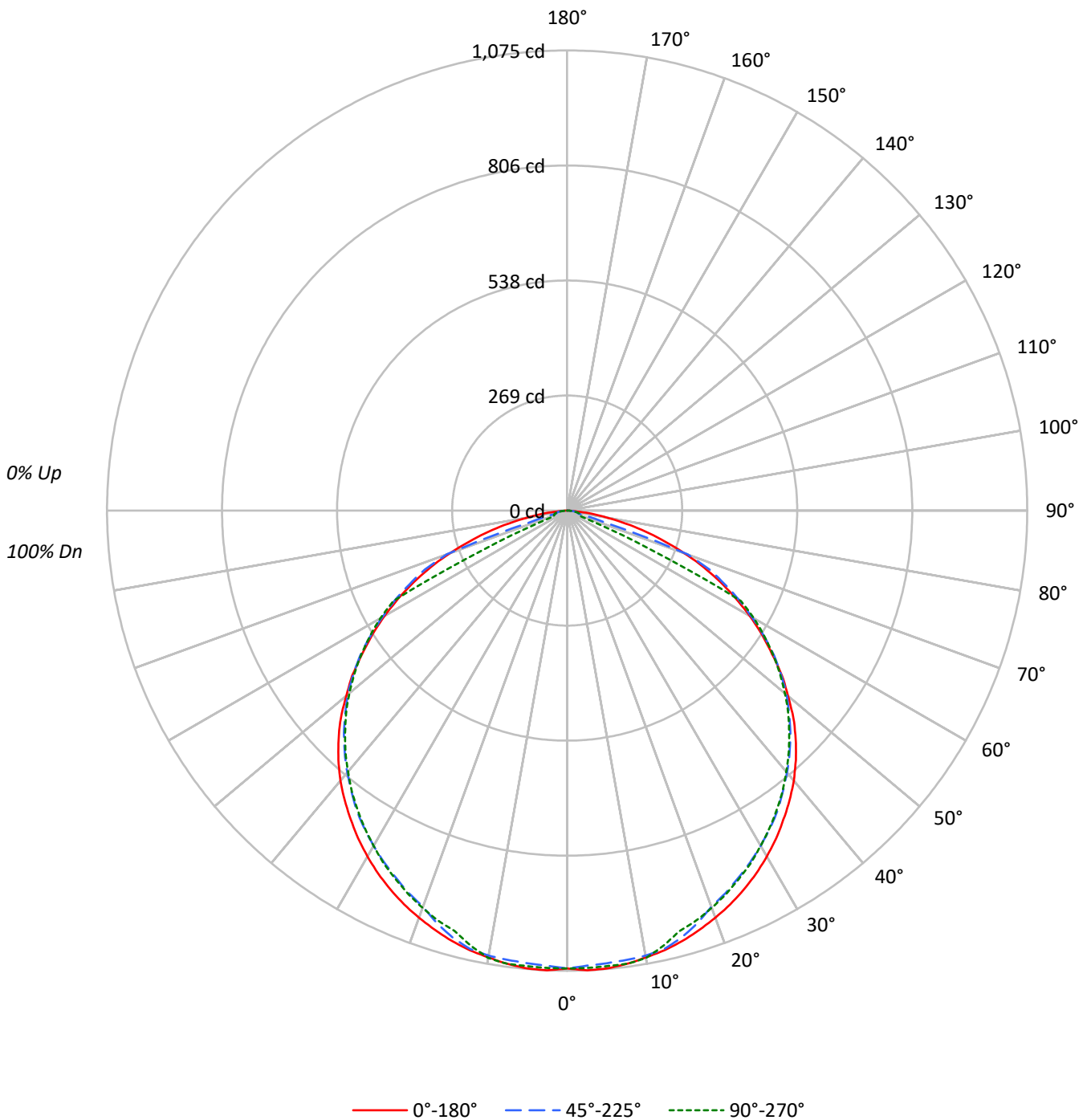
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2944.5 lumens  
Efficiency: N/A  
Efficacy: 155.8 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4  
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	110	105	102	98	107	103	100	96	99	96	93		95	93	91		92	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81	78	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56		66	60	55		64	59	55	52
5	77	65	56	49	75	63	55	49	61	54	48		59	53	48		58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	37		49	42	37		47	41	37	35
8	61	48	39	34	60	47	39	34	46	39	33		45	38	33		43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27		38	32	27		37	31	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2878	2878	2878
5°	2900	2867	2885
10°	2896	2885	2900
15°	2900	2877	2831
20°	2899	2820	2828
25°	2900	2811	2819
30°	2899	2810	2810
35°	2894	2814	2804
40°	2894	2807	2798
45°	2875	2807	2791
50°	2819	2802	2779
55°	2743	2769	2756
60°	2654	2683	2713
65°	2514	2583	1365
70°	2300	2354	258
75°	1974	284	313
80°	1481	360	360
85°	760	380	337



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.6	3.5
10°-20°	291.1	9.9
20°-30°	442.5	15.0
30°-40°	539.1	18.3
40°-50°	570.4	19.4
50°-60°	523.2	17.8
60°-70°	352.9	12.0
70°-80°	106.7	3.6
80°-90°	17.1	0.6
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°	835.2	28.4
0°-40°	1374.3	46.7
0°-60°	2467.9	83.8
0°-90°	2944.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2944.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1070	1070	1070	1070	1070	
5°	1074	1066	1061	1071	1068	102
15°	1041	1035	1033	1024	1016	294
25°	977	975	947	956	949	450
35°	881	862	856	859	854	552
45°	755	738	738	739	734	582
55°	585	576	590	590	587	523
65°	395	389	406	411	214	390
75°	190	191	27	30	30	201
85°	25	12	12	11	11	38
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1069.6	1069.6	1069.6	1069.6	1069.6
2.5°	1075.1	1066.8	1064.1	1071.0	1069.6
5°	1073.7	1065.5	1061.4	1071.0	1068.2
7.5°	1068.2	1060.0	1058.7	1069.6	1068.2
10°	1060.0	1054.6	1055.9	1065.5	1061.4
12.5°	1051.8	1046.4	1049.1	1046.4	1040.9
15°	1040.9	1035.4	1032.7	1024.5	1016.3
17.5°	1027.2	1024.5	1010.9	1008.1	1004.0
20°	1012.2	1012.2	984.9	993.1	987.7
22.5°	995.8	995.8	967.1	975.3	969.9
25°	976.7	975.3	946.6	956.2	949.4
27.5°	956.2	949.4	926.2	934.4	928.9
30°	933.0	920.7	904.3	909.8	904.3
32.5°	908.4	890.6	881.1	885.2	879.7
35°	881.1	862.0	856.5	859.2	853.7
37.5°	853.7	833.3	827.8	831.9	826.4
40°	823.7	804.6	799.1	801.9	796.4
42.5°	790.9	774.6	769.1	770.4	766.3
45°	755.4	737.7	737.7	739.0	733.5
47.5°	717.1	702.1	703.5	704.9	700.8
50°	673.4	662.5	669.4	670.7	663.9
52.5°	632.5	621.6	629.7	632.5	627.0
55°	584.7	576.5	590.1	590.1	587.4
57.5°	539.6	531.4	545.1	550.5	546.4
60°	493.1	485.0	498.6	508.2	504.0
62.5°	443.9	437.1	453.5	465.8	457.6
65°	394.8	389.3	405.7	411.2	214.4
67.5°	344.2	340.1	359.3	129.8	34.1
70°	292.3	288.2	299.2	32.8	32.8
72.5°	239.1	240.4	95.6	31.4	31.4
75°	189.9	191.2	27.3	30.1	30.1
77.5°	140.7	143.4	26.0	27.3	27.3
80°	95.6	69.7	23.2	23.2	23.2
82.5°	57.4	16.4	17.7	17.7	16.4
85°	24.6	12.3	12.3	10.9	10.9
87.5°	8.2	5.5	5.5	4.1	4.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)