

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-L840**

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-L840
Description: 4ft RSRK, 650 LUMEN PER FOOT 80CRI 4000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

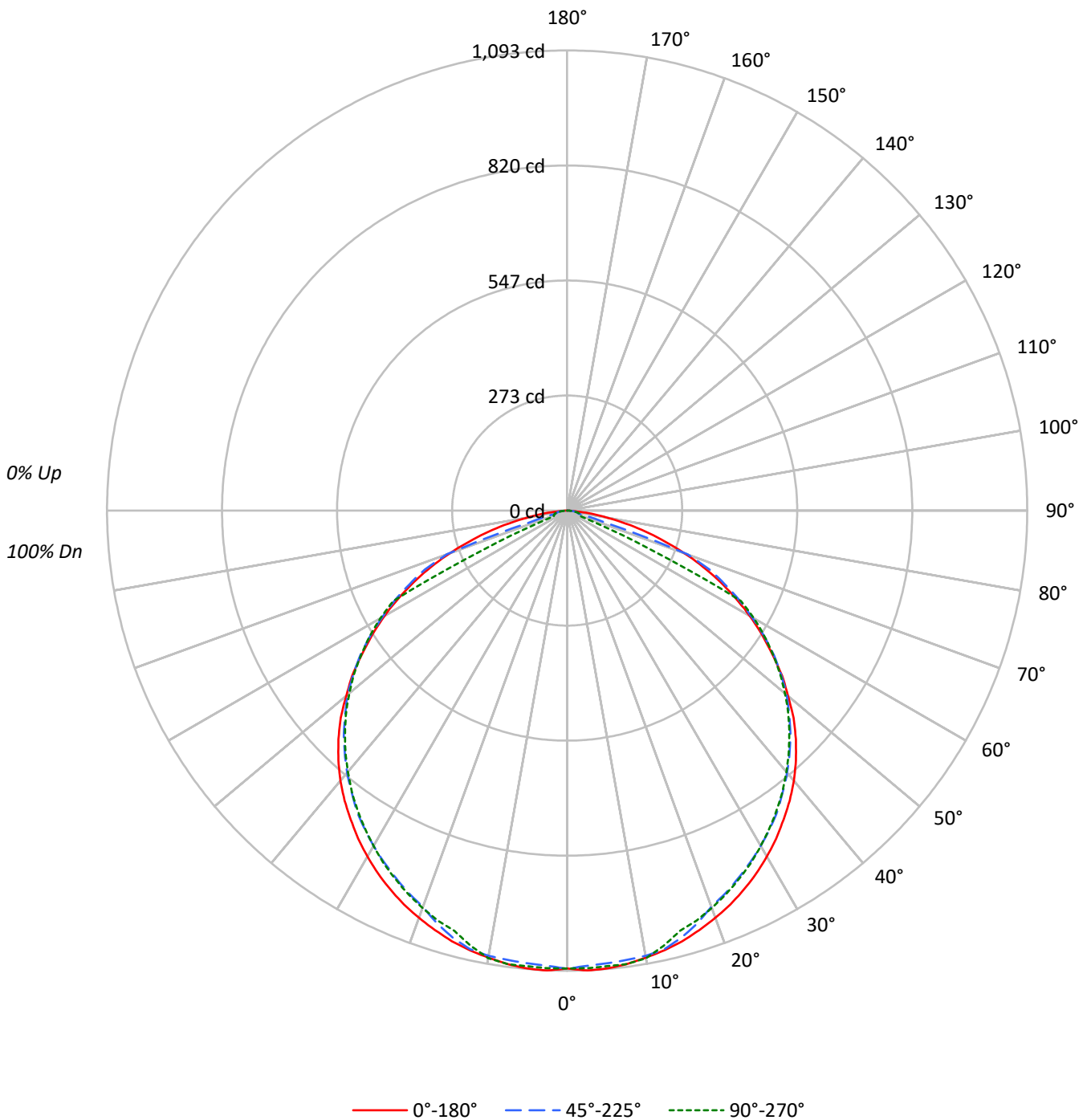
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2994.5 lumens
Efficiency: N/A
Efficacy: 158.4 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°	2927	2927	2927
5°	2950	2916	2934
10°	2946	2934	2949
15°	2949	2926	2880
20°	2948	2868	2876
25°	2949	2858	2867
30°	2948	2857	2857
35°	2943	2861	2852
40°	2943	2855	2845
45°	2923	2855	2839
50°	2867	2850	2826
55°	2790	2815	2803
60°	2699	2729	2759
65°	2557	2627	1389
70°	2339	2393	262
75°	2008	289	318
80°	1506	366	366
85°	772	386	343



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.3	3.5
10°-20°	296.0	9.9
20°-30°	450.0	15.0
30°-40°	548.2	18.3
40°-50°	580.1	19.4
50°-60°	532.1	17.8
60°-70°	358.9	12.0
70°-80°	108.5	3.6
80°-90°	17.4	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°	849.4	28.4
0°-40°	1397.6	46.7
0°-60°	2509.8	83.8
0°-90°	2994.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2994.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1088	1088	1088	1088	1088	
5°	1092	1084	1079	1089	1086	104
15°	1059	1053	1050	1042	1034	299
25°	993	992	963	972	966	458
35°	896	877	871	874	868	561
45°	768	750	750	752	746	591
55°	595	586	600	600	597	532
65°	402	396	413	418	218	396
75°	193	194	28	31	31	205
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°	1087.8	1087.8	1087.8	1087.8	1087.8
2.5°	1093.3	1084.9	1082.2	1089.1	1087.8
5°	1091.9	1083.6	1079.4	1089.1	1086.3
7.5°	1086.3	1078.0	1076.6	1087.8	1086.3
10°	1078.0	1072.5	1073.8	1083.6	1079.4
12.5°	1069.7	1064.1	1066.9	1064.1	1058.6
15°	1058.6	1053.0	1050.2	1041.9	1033.6
17.5°	1044.7	1041.9	1028.0	1025.2	1021.1
20°	1029.4	1029.4	1001.6	1010.0	1004.4
22.5°	1012.7	1012.7	983.5	991.9	986.3
25°	993.3	991.9	962.7	972.4	965.5
27.5°	972.4	965.5	941.9	950.2	944.6
30°	948.8	936.3	919.6	925.2	919.6
32.5°	923.8	905.8	896.0	900.2	894.6
35°	896.0	876.6	871.0	873.8	868.2
37.5°	868.2	847.4	841.8	846.0	840.4
40°	837.7	818.2	812.7	815.5	809.9
42.5°	804.4	787.7	782.1	783.5	779.3
45°	768.2	750.2	750.2	751.5	746.0
47.5°	729.3	714.0	715.4	716.8	712.6
50°	684.9	673.7	680.7	682.1	675.1
52.5°	643.2	632.1	640.4	643.2	637.7
55°	594.6	586.2	600.1	600.1	597.4
57.5°	548.7	540.4	554.3	559.9	555.7
60°	501.5	493.2	507.0	516.8	512.6
62.5°	451.5	444.5	461.2	473.7	465.4
65°	401.5	395.9	412.6	418.1	218.1
67.5°	350.1	345.9	365.4	132.0	34.7
70°	297.3	293.1	304.2	33.3	33.3
72.5°	243.1	244.5	97.2	32.0	32.0
75°	193.1	194.5	27.8	30.6	30.6
77.5°	143.1	145.8	26.4	27.8	27.8
80°	97.2	70.9	23.6	23.6	23.6
82.5°	58.3	16.7	18.0	18.0	16.7
85°	25.0	12.5	12.5	11.1	11.1
87.5°	8.3	5.6	5.6	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)