

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-L950**

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-L950
Description: 4ft RSRK, 650 LUMEN PER FOOT 90CRI 5000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

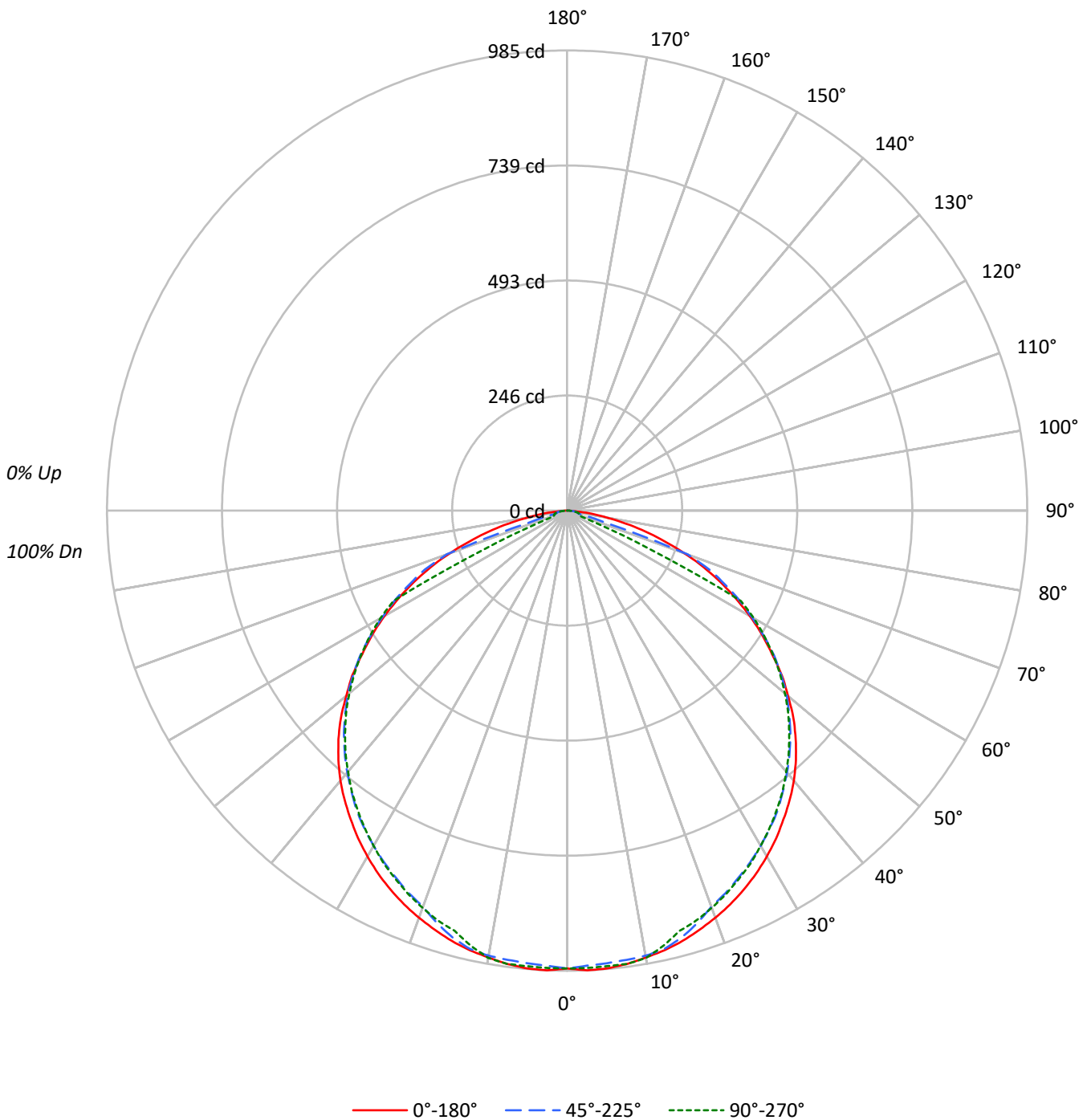
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2698.0 lumens
Efficiency: N/A
Efficacy: 142.8 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°	2637	2637	2637
5°	2657	2627	2644
10°	2654	2644	2657
15°	2657	2636	2594
20°	2656	2584	2592
25°	2657	2575	2583
30°	2656	2575	2575
35°	2652	2578	2570
40°	2651	2572	2563
45°	2634	2572	2558
50°	2583	2568	2547
55°	2513	2537	2525
60°	2432	2458	2485
65°	2303	2367	1251
70°	2108	2157	236
75°	1809	260	286
80°	1358	330	330
85°	695	349	309



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.1	3.5
10°-20°	266.7	9.9
20°-30°	405.5	15.0
30°-40°	493.9	18.3
40°-50°	522.7	19.4
50°-60°	479.4	17.8
60°-70°	323.3	12.0
70°-80°	97.7	3.6
80°-90°	15.6	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°	765.3	28.4
0°-40°	1259.3	46.7
0°-60°	2261.3	83.8
0°-90°	2698.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2698.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	980	980	980	980	980	
5°	984	976	972	981	979	93
15°	954	949	946	939	931	269
25°	895	894	867	876	870	413
35°	807	790	785	787	782	506
45°	692	676	676	677	672	533
55°	536	528	541	541	538	479
65°	362	357	372	377	196	357
75°	174	175	25	28	28	184
85°	22	11	11	10	10	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	980.1	980.1	980.1	980.1	980.1
2.5°	985.1	977.5	975.1	981.3	980.1
5°	983.8	976.3	972.5	981.3	978.8
7.5°	978.8	971.3	970.0	980.1	978.8
10°	971.3	966.3	967.5	976.3	972.5
12.5°	963.8	958.8	961.3	958.8	953.8
15°	953.8	948.8	946.3	938.7	931.2
17.5°	941.2	938.7	926.2	923.7	920.0
20°	927.5	927.5	902.4	910.0	905.0
22.5°	912.4	912.4	886.2	893.7	888.7
25°	895.0	893.7	867.4	876.2	869.9
27.5°	876.2	869.9	848.6	856.1	851.1
30°	854.9	843.6	828.6	833.6	828.6
32.5°	832.3	816.1	807.3	811.1	806.1
35°	807.3	789.8	784.8	787.3	782.3
37.5°	782.3	763.5	758.5	762.2	757.2
40°	754.8	737.2	732.2	734.7	729.7
42.5°	724.7	709.7	704.7	705.9	702.2
45°	692.2	675.9	675.9	677.1	672.1
47.5°	657.1	643.4	644.6	645.9	642.1
50°	617.1	607.0	613.3	614.6	608.3
52.5°	579.5	569.5	577.0	579.5	574.5
55°	535.7	528.2	540.7	540.7	538.2
57.5°	494.4	486.9	499.4	504.4	500.7
60°	451.8	444.4	456.8	465.6	461.8
62.5°	406.8	400.5	415.6	426.8	419.3
65°	361.7	356.7	371.7	376.7	196.5
67.5°	315.4	311.6	329.2	118.9	31.3
70°	267.9	264.1	274.1	30.0	30.0
72.5°	219.1	220.3	87.6	28.8	28.8
75°	174.0	175.2	25.0	27.5	27.5
77.5°	128.9	131.4	23.8	25.0	25.0
80°	87.6	63.8	21.3	21.3	21.3
82.5°	52.6	15.0	16.3	16.3	15.0
85°	22.5	11.3	11.3	10.0	10.0
87.5°	7.5	5.0	5.0	3.8	3.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)