

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-TS-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 (G3-1810-975-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RSRK-TS-65-HE-L950
Description: 4ft RSRK, 650 LUMEN PER FOOT 90CRI 5000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

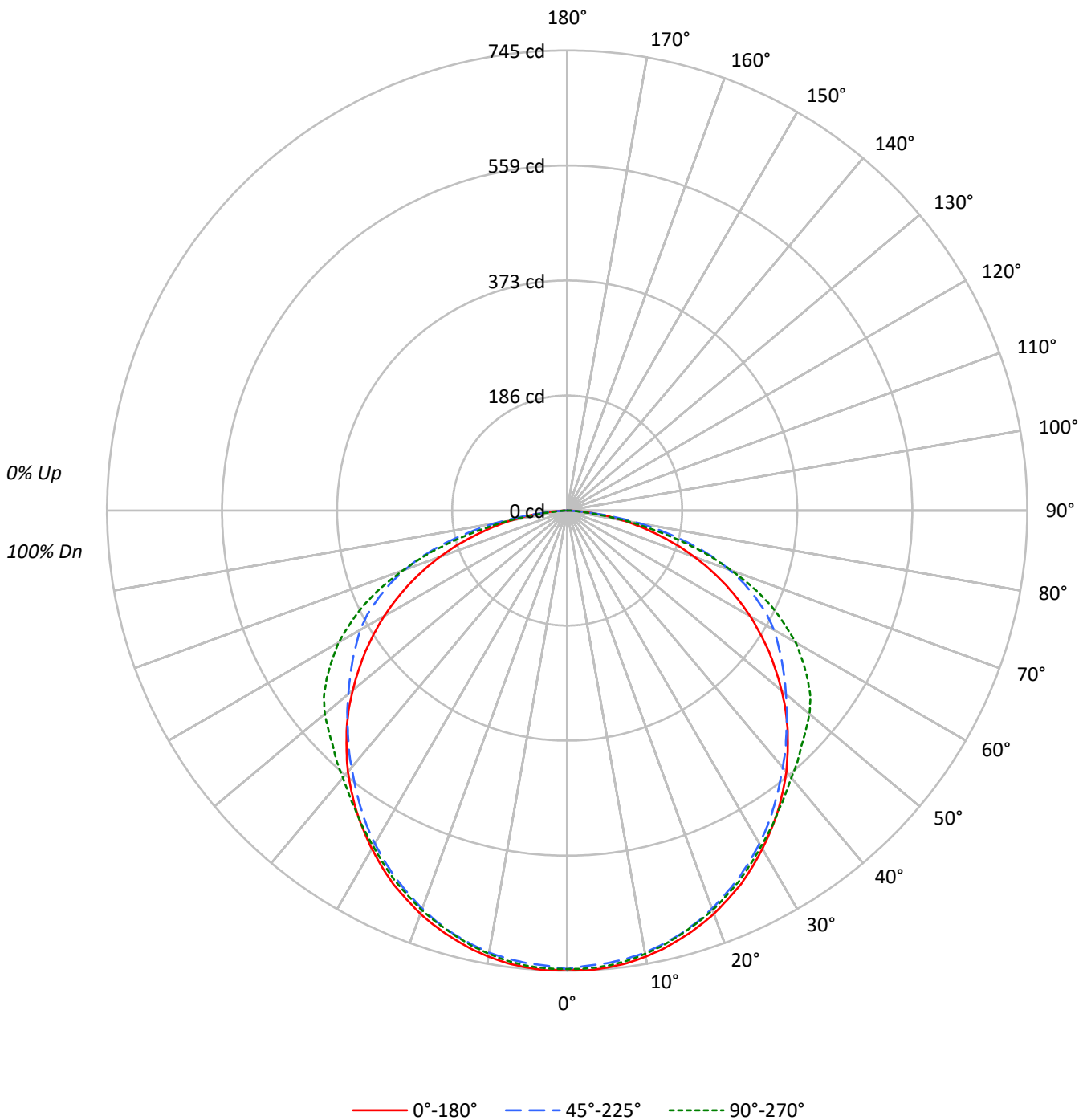
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2285.5 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
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	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	65	60	68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	54	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	42	38	36
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1998	1998	1998
5°	2006	1987	1999
10°	2003	1986	1991
15°	1997	1977	1980
20°	1989	1964	1971
25°	1980	1950	1962
30°	1965	1935	1951
35°	1953	1919	1956
40°	1940	1907	1983
45°	1921	1911	2044
50°	1898	1936	2144
55°	1873	1991	2230
60°	1841	2082	2299
65°	1795	2152	2318
70°	1726	2199	2227
75°	1591	2127	1990
80°	1409	1830	1526
85°	1013	926	605



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.3	3.1
10°-20°	201.2	8.8
20°-30°	304.6	13.3
30°-40°	369.5	16.2
40°-50°	395.3	17.3
50°-60°	383.1	16.8
60°-70°	320.8	14.0
70°-80°	197.2	8.6
80°-90°	43.5	1.9
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°	576.1	25.2
0°-40°	945.6	41.4
0°-60°	1724.0	75.4
0°-90°	2285.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2285.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	742	742	742	742	742	
5°	743	741	736	740	740	71
15°	717	715	710	713	711	202
25°	667	663	657	661	661	307
35°	595	587	584	594	595	372
45°	505	494	502	528	537	389
55°	399	388	424	466	475	356
65°	282	280	338	361	364	279
75°	153	179	205	196	191	163
85°	33	44	30	21	20	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	742.4	742.4	742.4	742.4	742.4
2.5°	745.2	743.2	737.6	742.4	742.0
5°	742.8	741.2	735.6	740.4	740.0
7.5°	739.2	737.6	732.0	736.8	735.6
10°	733.2	732.0	726.8	730.4	728.8
12.5°	726.0	724.7	718.7	722.7	720.7
15°	716.7	715.1	709.5	712.7	710.7
17.5°	706.3	704.3	698.7	701.9	699.9
20°	694.7	691.9	685.9	690.3	688.3
22.5°	680.7	678.7	671.5	676.3	674.3
25°	666.7	662.7	656.7	661.1	660.7
27.5°	649.9	645.9	639.9	645.1	644.3
30°	632.3	627.8	622.6	627.8	627.8
32.5°	613.8	608.2	604.2	610.2	612.2
35°	594.6	587.0	584.2	594.2	595.4
37.5°	573.4	565.8	563.4	576.6	579.8
40°	552.2	542.6	543.0	559.8	564.6
42.5°	528.5	518.9	523.3	543.0	551.8
45°	504.9	494.1	502.1	527.7	537.0
47.5°	480.1	469.7	482.9	512.9	524.5
50°	453.3	442.9	462.5	498.9	512.1
52.5°	426.0	415.2	442.9	484.5	496.5
55°	399.2	388.4	424.4	466.5	475.3
57.5°	370.4	361.2	405.2	442.9	451.7
60°	342.0	333.9	386.8	418.8	427.2
62.5°	312.7	306.7	364.4	391.2	396.0
65°	281.9	280.3	337.9	360.8	364.0
67.5°	251.1	255.1	310.7	325.5	325.9
70°	219.4	230.2	279.5	285.9	283.1
72.5°	187.4	206.2	245.1	241.8	239.4
75°	153.0	178.6	204.6	195.8	191.4
77.5°	121.7	150.6	161.4	149.0	142.1
80°	90.9	118.9	118.1	102.1	98.5
82.5°	61.3	82.9	70.9	57.7	50.5
85°	32.8	44.0	30.0	20.8	19.6
87.5°	12.4	10.4	8.0	7.2	7.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)