

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-L940**

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-L940
Description: 4ft RSRK, 650 LUMEN PER FOOT 90CRI 4000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

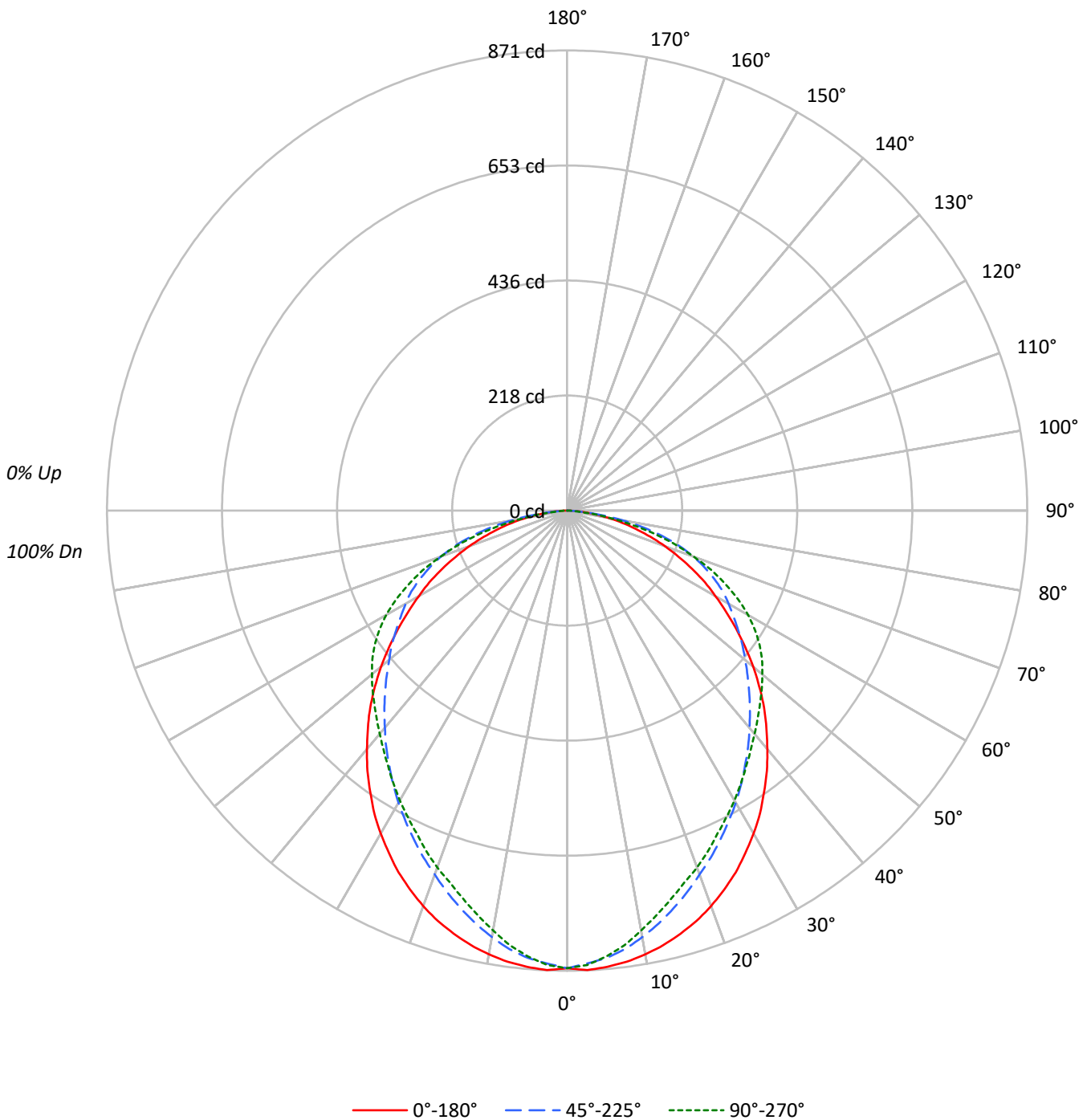
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2265.6 lumens
Efficiency: N/A
Efficacy: 119.9 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

TEST NUMBER: P#
CATALOG NUMBER: 4RSRK-TB-65-HE-L940

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°	2331	2331	2331
5°	2342	2296	2289
10°	2331	2240	2205
15°	2310	2170	2120
20°	2281	2099	2059
25°	2243	2039	2002
30°	2193	1984	1968
35°	2135	1930	1941
40°	2071	1885	1938
45°	2007	1854	1964
50°	1924	1841	2019
55°	1833	1853	2087
60°	1746	1900	2129
65°	1661	1959	2110
70°	1552	2002	2006
75°	1393	1942	1797
80°	1220	1649	1334
85°	917	871	565



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.7	3.6
10°-20°	222.1	9.8
20°-30°	323.1	14.3
30°-40°	377.9	16.7
40°-50°	388.5	17.1
50°-60°	361.4	16.0
60°-70°	294.0	13.0
70°-80°	178.1	7.9
80°-90°	39.9	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°	625.9	27.6
0°-40°	1003.8	44.3
0°-60°	1753.7	77.4
0°-90°	2265.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2265.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	866	866	866	866	866	
5°	867	862	850	852	847	82
15°	829	811	779	767	761	234
25°	755	724	687	680	674	347
35°	650	615	588	591	591	407
45°	527	493	487	508	516	406
55°	391	369	395	435	445	350
65°	261	256	308	332	331	258
75°	134	159	187	178	173	143
85°	30	41	28	20	18	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	866.1	866.1	866.1	866.1	866.1
2.5°	870.6	866.6	858.1	862.9	860.9
5°	866.9	861.8	850.1	851.8	847.3
7.5°	861.5	854.1	837.3	833.9	829.9
10°	853.0	842.1	819.9	814.5	807.0
12.5°	842.4	828.4	800.5	790.8	783.9
15°	829.0	811.3	779.1	767.4	760.8
17.5°	814.5	792.5	756.9	744.9	738.0
20°	796.5	771.4	732.9	722.9	718.9
22.5°	776.5	747.7	710.7	701.8	697.3
25°	755.4	723.5	686.7	679.9	674.2
27.5°	730.6	698.1	662.5	657.6	653.6
30°	705.8	672.4	638.5	635.1	633.4
32.5°	679.6	643.4	613.4	612.8	612.0
35°	649.9	615.4	587.5	591.2	590.9
37.5°	621.1	585.7	562.9	569.5	570.9
40°	589.5	555.0	536.7	547.8	551.8
42.5°	558.4	525.3	512.2	527.3	533.8
45°	527.3	493.4	487.1	508.5	516.2
47.5°	493.4	462.8	463.4	490.8	499.9
50°	459.7	431.2	439.7	471.7	482.2
52.5°	424.9	400.4	418.4	453.1	465.1
55°	390.7	369.3	395.0	435.2	444.9
57.5°	356.5	339.4	373.6	412.1	421.8
60°	324.5	309.7	353.0	388.1	395.5
62.5°	294.0	282.0	332.8	361.9	365.6
65°	260.9	256.1	307.7	332.2	331.4
67.5°	228.4	229.6	282.0	298.0	296.6
70°	197.3	206.5	254.4	260.9	254.9
72.5°	165.4	182.5	222.2	221.6	215.6
75°	134.0	159.4	186.8	178.5	172.8
77.5°	106.9	134.6	148.3	136.9	127.8
80°	78.7	107.8	106.4	93.5	86.1
82.5°	51.6	75.0	65.9	53.0	49.6
85°	29.7	40.8	28.2	20.5	18.3
87.5°	12.5	10.8	7.1	6.6	6.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)