

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-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 (G3-1810-975-9)
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-L950
Description: 4ft RSRK, 650 LUMEN PER FOOT 90CRI 5000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

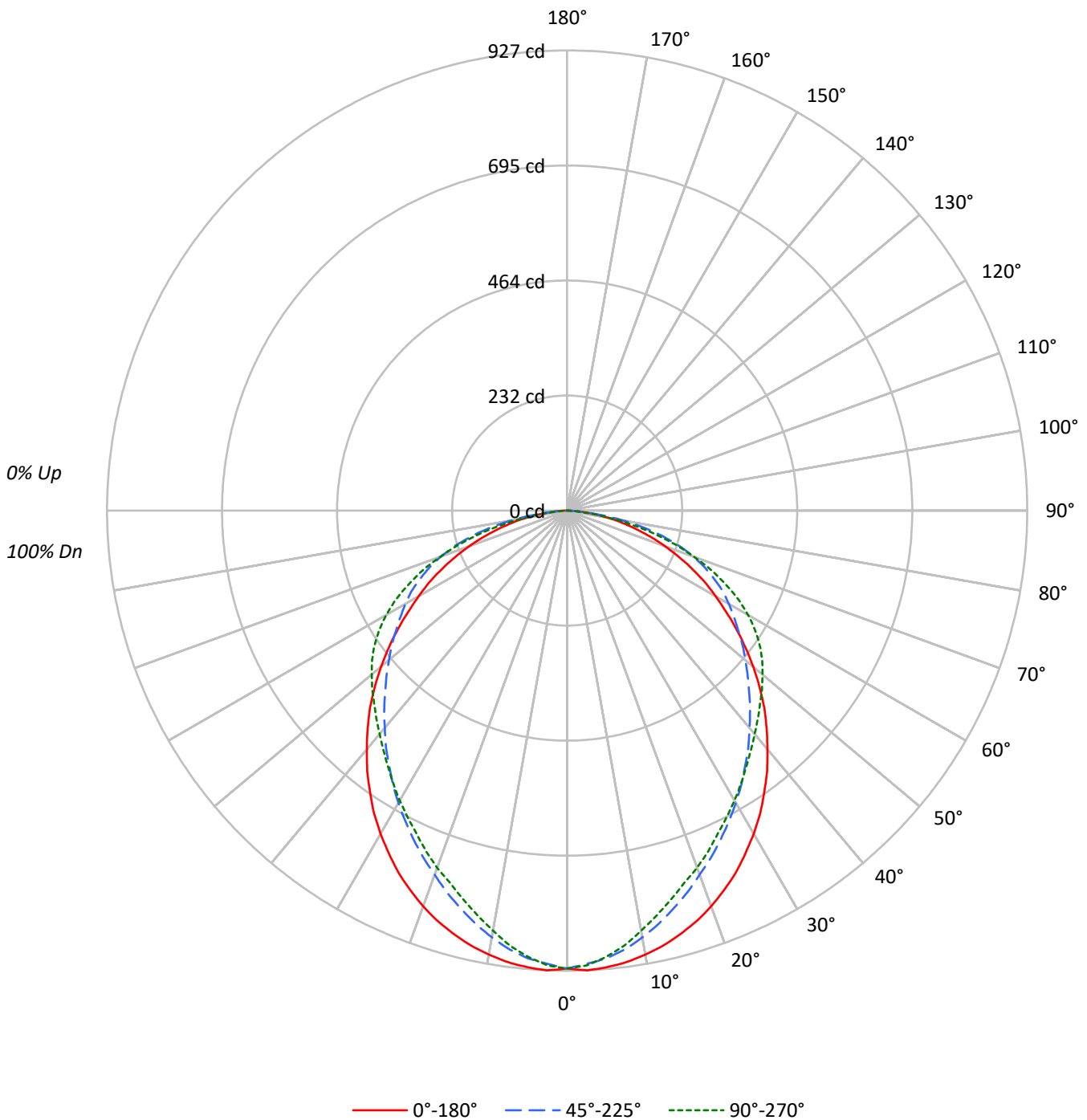
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2412.9 lumens
Efficiency: N/A
Efficacy: 127.7 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-L950

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 4RSRK-TB-65-HE-L950

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°	2482	2482	2482
5°	2494	2446	2437
10°	2482	2386	2349
15°	2460	2311	2257
20°	2429	2235	2193
25°	2389	2171	2132
30°	2336	2113	2096
35°	2274	2055	2067
40°	2205	2008	2064
45°	2137	1974	2092
50°	2050	1961	2150
55°	1952	1973	2223
60°	1860	2024	2267
65°	1769	2087	2247
70°	1654	2131	2136
75°	1484	2068	1914
80°	1299	1756	1421
85°	976	929	599



TEST NUMBER: P#

CATALOG NUMBER: 4RSRK-TB-65-HE-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.0	3.6
10°-20°	236.5	9.8
20°-30°	344.1	14.3
30°-40°	402.5	16.7
40°-50°	413.7	17.1
50°-60°	384.9	16.0
60°-70°	313.1	13.0
70°-80°	189.6	7.9
80°-90°	42.5	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°	666.6	27.6
0°-40°	1069.1	44.3
0°-60°	1867.7	77.4
0°-90°	2412.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2412.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	922	922	922	922	922	
5°	923	918	905	907	902	88
15°	883	864	830	817	810	249
25°	804	770	731	724	718	370
35°	692	655	626	630	629	433
45°	562	525	519	542	550	432
55°	416	393	421	464	474	372
65°	278	273	328	354	353	275
75°	143	170	199	190	184	153
85°	32	43	30	22	19	39
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 4RSRK-TB-65-HE-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	922.4	922.4	922.4	922.4	922.4
2.5°	927.2	923.0	913.9	919.0	916.9
5°	923.3	917.8	905.4	907.2	902.3
7.5°	917.5	909.6	891.7	888.1	883.8
10°	908.4	896.9	873.2	867.4	859.5
12.5°	897.2	882.3	852.5	842.2	834.9
15°	882.9	864.1	829.7	817.3	810.3
17.5°	867.4	844.0	806.1	793.3	786.0
20°	848.3	821.5	780.5	769.9	765.7
22.5°	827.0	796.3	756.9	747.4	742.6
25°	804.5	770.5	731.3	724.1	718.0
27.5°	778.1	743.5	705.5	700.4	696.1
30°	751.7	716.2	680.0	676.4	674.5
32.5°	723.8	685.2	653.3	652.7	651.8
35°	692.2	655.4	625.7	629.6	629.3
37.5°	661.5	623.8	599.5	606.5	608.0
40°	627.8	591.0	571.6	583.4	587.7
42.5°	594.7	559.4	545.5	561.6	568.6
45°	561.6	525.4	518.7	541.5	549.7
47.5°	525.4	492.9	493.5	522.7	532.4
50°	489.6	459.2	468.3	502.3	513.6
52.5°	452.5	426.4	445.5	482.6	495.4
55°	416.1	393.3	420.6	463.5	473.8
57.5°	379.6	361.4	397.9	438.9	449.2
60°	345.6	329.8	376.0	413.4	421.3
62.5°	313.1	300.4	354.4	385.4	389.4
65°	277.9	272.7	327.7	353.8	352.9
67.5°	243.3	244.5	300.4	317.4	315.9
70°	210.2	219.9	270.9	277.9	271.5
72.5°	176.2	194.4	236.6	236.0	229.6
75°	142.7	169.8	198.9	190.1	184.1
77.5°	113.9	143.4	157.9	145.8	136.1
80°	83.8	114.8	113.3	99.6	91.7
82.5°	55.0	79.9	70.2	56.5	52.8
85°	31.6	43.4	30.1	21.9	19.4
87.5°	13.4	11.5	7.6	7.0	6.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)