

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-L850**

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-L850
Description: 4ft RSRK, 650 LUMEN PER FOOT 80CRI 5000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

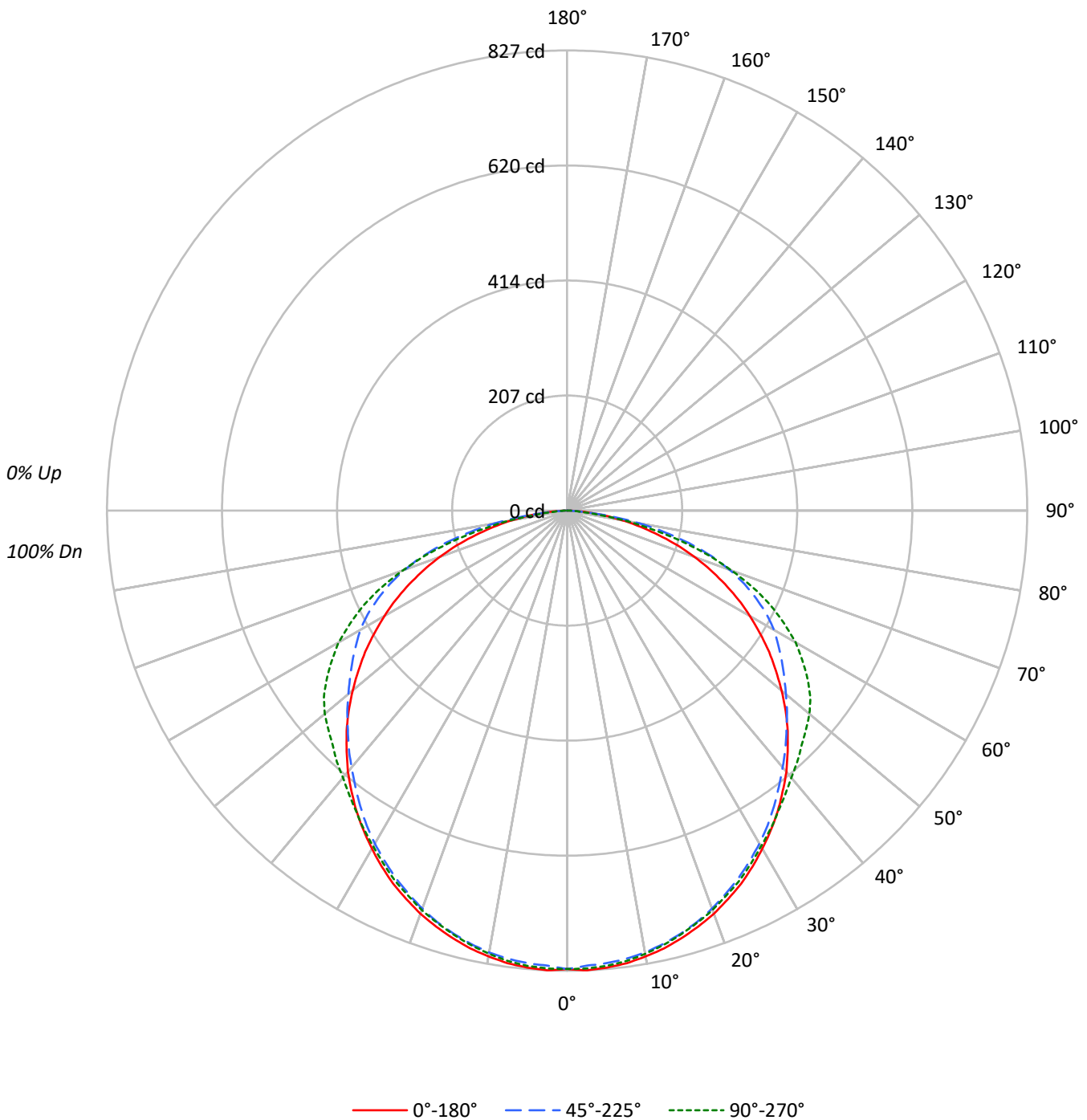
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2536.7 lumens
Efficiency: N/A
Efficacy: 134.2 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

TEST NUMBER: P#
CATALOG NUMBER: 4RSRK-TS-65-HE-L850

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 4RSRK-TS-65-HE-L850

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°	2217	2217	2217
5°	2227	2205	2219
10°	2223	2204	2210
15°	2216	2194	2198
20°	2208	2180	2188
25°	2197	2164	2177
30°	2180	2147	2165
35°	2168	2130	2171
40°	2153	2117	2201
45°	2133	2121	2268
50°	2106	2149	2380
55°	2079	2210	2475
60°	2042	2310	2552
65°	1992	2388	2572
70°	1916	2441	2472
75°	1765	2361	2208
80°	1564	2032	1694
85°	1124	1028	673



TEST NUMBER: P#

CATALOG NUMBER: 4RSRK-TS-65-HE-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.0	3.1
10°-20°	223.3	8.8
20°-30°	338.1	13.3
30°-40°	410.1	16.2
40°-50°	438.7	17.3
50°-60°	425.2	16.8
60°-70°	356.1	14.0
70°-80°	218.8	8.6
80°-90°	48.3	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
<hr/>		
0°-30°	639.4	25.2
0°-40°	1049.5	41.4
0°-60°	1913.4	75.4
0°-90°	2536.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2536.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	824	824	824	824	824	
5°	824	823	816	822	821	78
15°	796	794	788	791	789	225
25°	740	736	729	734	733	341
35°	660	652	648	660	661	413
45°	560	548	557	586	596	432
55°	443	431	471	518	528	396
65°	313	311	375	400	404	309
75°	170	198	227	217	212	181
85°	36	49	33	23	22	46
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 4RSRK-TS-65-HE-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	823.9	823.9	823.9	823.9	823.9
2.5°	827.0	824.8	818.6	823.9	823.5
5°	824.4	822.6	816.4	821.7	821.3
7.5°	820.4	818.6	812.4	817.7	816.4
10°	813.7	812.4	806.6	810.6	808.8
12.5°	805.7	804.4	797.7	802.2	799.9
15°	795.5	793.7	787.5	791.1	788.8
17.5°	783.9	781.7	775.5	779.1	776.8
20°	771.1	767.9	761.3	766.2	763.9
22.5°	755.5	753.3	745.3	750.6	748.4
25°	739.9	735.5	728.8	733.7	733.3
27.5°	721.3	716.8	710.2	715.9	715.1
30°	701.7	696.8	691.1	696.8	696.8
32.5°	681.3	675.1	670.6	677.3	679.5
35°	659.9	651.5	648.4	659.5	660.8
37.5°	636.4	628.0	625.3	640.0	643.5
40°	612.8	602.2	602.6	621.3	626.6
42.5°	586.6	576.0	580.8	602.6	612.4
45°	560.4	548.4	557.3	585.7	596.0
47.5°	532.8	521.3	536.0	569.3	582.2
50°	503.1	491.5	513.3	553.7	568.4
52.5°	472.9	460.9	491.5	537.7	551.1
55°	443.1	431.1	471.1	517.7	527.5
57.5°	411.1	400.9	449.7	491.5	501.3
60°	379.5	370.6	429.3	464.9	474.2
62.5°	347.1	340.4	404.4	434.2	439.5
65°	312.9	311.1	375.1	400.4	404.0
67.5°	278.6	283.1	344.9	361.3	361.8
70°	243.5	255.5	310.2	317.3	314.2
72.5°	208.0	228.9	272.0	268.4	265.8
75°	169.8	198.2	227.1	217.3	212.4
77.5°	135.1	167.1	179.1	165.3	157.8
80°	100.9	132.0	131.1	113.3	109.3
82.5°	68.0	92.0	78.7	64.0	56.0
85°	36.4	48.9	33.3	23.1	21.8
87.5°	13.8	11.6	8.9	8.0	8.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)