

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-L840**

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-L840
Description: 4ft RSRK, 650 LUMEN PER FOOT 80CRI 4000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

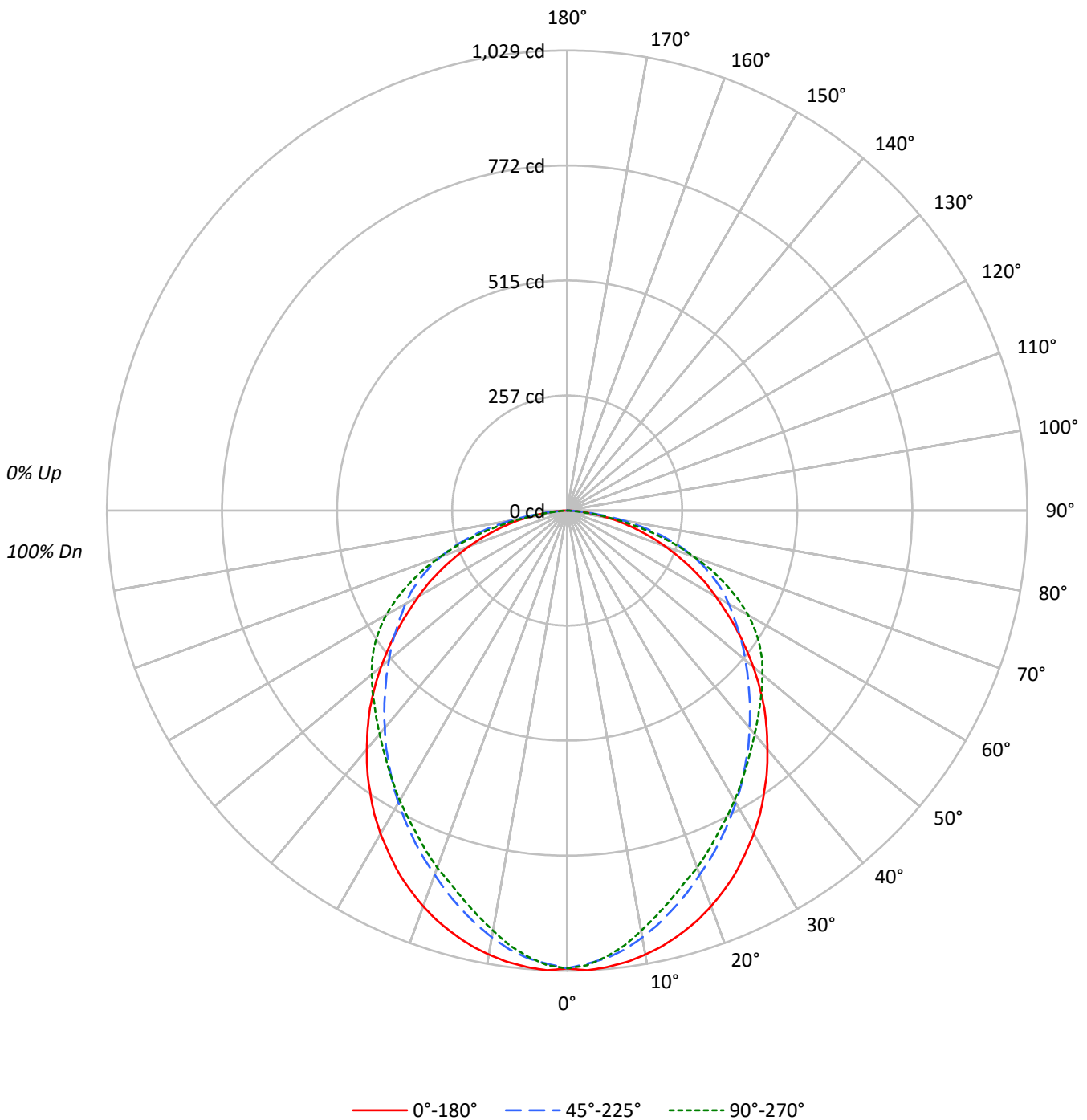
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2678.0 lumens
Efficiency: N/A
Efficacy: 141.7 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-L840

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 4RSRK-TB-65-HE-L840

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	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°	2755	2755	2755
5°	2768	2714	2705
10°	2755	2648	2607
15°	2730	2566	2505
20°	2696	2481	2434
25°	2651	2410	2366
30°	2592	2345	2326
35°	2524	2281	2294
40°	2448	2229	2291
45°	2372	2191	2322
50°	2275	2176	2386
55°	2167	2190	2467
60°	2065	2246	2516
65°	1964	2316	2494
70°	1836	2366	2371
75°	1647	2296	2124
80°	1441	1948	1578
85°	1084	1031	667



TEST NUMBER: P#

CATALOG NUMBER: 4RSRK-TB-65-HE-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.4	3.6
10°-20°	262.5	9.8
20°-30°	381.9	14.3
30°-40°	446.7	16.7
40°-50°	459.2	17.1
50°-60°	427.2	16.0
60°-70°	347.5	13.0
70°-80°	210.5	7.9
80°-90°	47.2	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°	739.9	27.6
0°-40°	1186.6	44.3
0°-60°	2072.9	77.4
0°-90°	2678.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2678.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1024	1024	1024	1024	1024	
5°	1025	1019	1005	1007	1002	97
15°	980	959	921	907	899	276
25°	893	855	812	804	797	411
35°	768	727	694	699	698	481
45°	623	583	576	601	610	480
55°	462	436	467	514	526	413
65°	308	303	364	393	392	305
75°	158	188	221	211	204	170
85°	35	48	33	24	22	43
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 4RSRK-TB-65-HE-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1023.7	1023.7	1023.7	1023.7	1023.7
2.5°	1029.1	1024.4	1014.3	1020.0	1017.7
5°	1024.7	1018.7	1004.9	1006.9	1001.5
7.5°	1018.3	1009.6	989.7	985.6	980.9
10°	1008.2	995.4	969.1	962.7	954.0
12.5°	995.8	979.2	946.2	934.7	926.6
15°	979.9	959.0	920.9	907.1	899.3
17.5°	962.7	936.8	894.6	880.5	872.4
20°	941.5	911.8	866.3	854.5	849.8
22.5°	917.9	883.8	840.0	829.6	824.2
25°	892.9	855.2	811.7	803.6	796.9
27.5°	863.6	825.2	783.1	777.3	772.6
30°	834.3	794.8	754.7	750.7	748.7
32.5°	803.3	760.5	725.1	724.4	723.4
35°	768.2	727.4	694.4	698.8	698.4
37.5°	734.2	692.4	665.4	673.2	674.8
40°	696.8	656.0	634.4	647.5	652.3
42.5°	660.0	620.9	605.4	623.3	631.0
45°	623.3	583.2	575.7	601.0	610.1
47.5°	583.2	547.1	547.8	580.1	590.9
50°	543.4	509.7	519.8	557.5	570.0
52.5°	502.3	473.3	494.5	535.6	549.8
55°	461.8	436.5	466.9	514.4	525.9
57.5°	421.4	401.1	441.6	487.1	498.6
60°	383.6	366.1	417.3	458.8	467.5
62.5°	347.5	333.4	393.4	427.8	432.1
65°	308.4	302.7	363.7	392.7	391.7
67.5°	270.0	271.4	333.4	352.3	350.6
70°	233.3	244.1	300.7	308.4	301.4
72.5°	195.5	215.7	262.6	261.9	254.8
75°	158.4	188.4	220.8	211.0	204.3
77.5°	126.4	159.1	175.3	161.8	151.0
80°	93.0	127.4	125.7	110.6	101.8
82.5°	61.0	88.7	77.9	62.7	58.7
85°	35.1	48.2	33.4	24.3	21.6
87.5°	14.8	12.8	8.4	7.8	7.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)