

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-200-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 (G3-1810-975-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RSRK-TB-200-HE-L850
Description: 4ft RSRK, 2000 LUMEN PER FOOT 80CRI 5000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

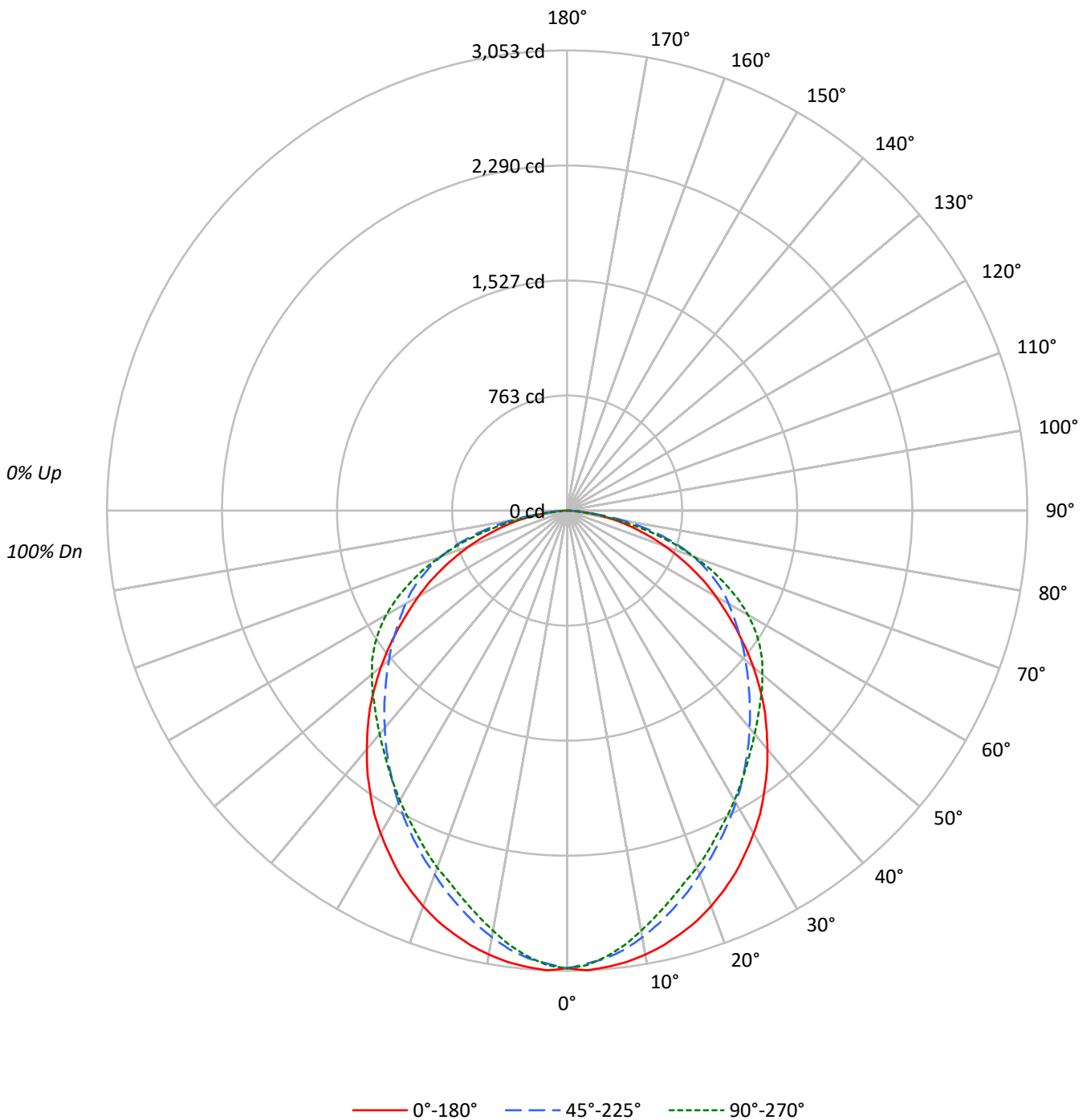
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7944.0 lumens
Efficiency: N/A
Efficacy: 129.8 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): 61.2
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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8172	8172	8172
5°	8211	8052	8025
10°	8172	7855	7732
15°	8098	7611	7432
20°	7998	7359	7219
25°	7865	7149	7019
30°	7690	6957	6901
35°	7486	6767	6806
40°	7261	6611	6797
45°	7036	6500	6888
50°	6748	6455	7079
55°	6427	6497	7318
60°	6124	6662	7464
65°	5826	6870	7398
70°	5445	7017	7033
75°	4887	6810	6301
80°	4277	5780	4680
85°	3211	3057	1976



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.0	3.6
10°-20°	778.8	9.8
20°-30°	1132.9	14.3
30°-40°	1325.1	16.7
40°-50°	1362.1	17.1
50°-60°	1267.2	16.0
60°-70°	1030.7	13.0
70°-80°	624.3	7.9
80°-90°	139.9	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°	2194.7	27.6
0°-40°	3519.8	44.3
0°-60°	6149.1	77.4
0°-90°	7944.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7944.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3037	3037	3037	3037	3037	
5°	3040	3022	2981	2987	2971	289
15°	2907	2845	2732	2691	2668	820
25°	2649	2537	2408	2384	2364	1218
35°	2279	2158	2060	2073	2072	1426
45°	1849	1730	1708	1783	1810	1423
55°	1370	1295	1385	1526	1560	1226
65°	915	898	1079	1165	1162	906
75°	470	559	655	626	606	503
85°	104	143	99	72	64	127
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3036.8	3036.8	3036.8	3036.8	3036.8
2.5°	3052.8	3038.8	3008.8	3025.8	3018.8
5°	3039.8	3021.8	2980.8	2986.8	2970.8
7.5°	3020.8	2994.8	2935.8	2923.8	2909.8
10°	2990.8	2952.8	2874.8	2855.8	2829.8
12.5°	2953.8	2904.8	2806.8	2772.8	2748.8
15°	2906.8	2844.8	2731.8	2690.8	2667.8
17.5°	2855.8	2778.8	2653.8	2611.8	2587.8
20°	2792.8	2704.8	2569.8	2534.8	2520.8
22.5°	2722.8	2621.8	2491.8	2460.8	2444.8
25°	2648.8	2536.8	2407.8	2383.8	2363.8
27.5°	2561.8	2447.8	2322.8	2305.8	2291.8
30°	2474.8	2357.8	2238.8	2226.8	2220.8
32.5°	2382.8	2255.8	2150.8	2148.8	2145.8
35°	2278.8	2157.8	2059.9	2072.9	2071.9
37.5°	2177.8	2053.9	1973.9	1996.9	2001.9
40°	2066.9	1945.9	1881.9	1920.9	1934.9
42.5°	1957.9	1841.9	1795.9	1848.9	1871.9
45°	1848.9	1729.9	1707.9	1782.9	1809.9
47.5°	1729.9	1622.9	1624.9	1720.9	1752.9
50°	1611.9	1511.9	1541.9	1653.9	1690.9
52.5°	1489.9	1403.9	1466.9	1588.9	1630.9
55°	1369.9	1294.9	1384.9	1525.9	1559.9
57.5°	1249.9	1189.9	1309.9	1444.9	1478.9
60°	1137.9	1085.9	1237.9	1360.9	1386.9
62.5°	1030.9	988.9	1166.9	1268.9	1281.9
65°	914.9	897.9	1078.9	1164.9	1161.9
67.5°	800.9	804.9	988.9	1044.9	1039.9
70°	692.0	723.9	891.9	914.9	893.9
72.5°	580.0	640.0	778.9	776.9	755.9
75°	470.0	559.0	655.0	626.0	606.0
77.5°	375.0	472.0	520.0	480.0	448.0
80°	276.0	378.0	373.0	328.0	302.0
82.5°	181.0	263.0	231.0	186.0	174.0
85°	104.0	143.0	99.0	72.0	64.0
87.5°	44.0	38.0	25.0	23.0	21.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)