

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-200-HE-L935**

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 (G3-1811-041-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RSRK-200-HE-L935
Description: 4ft RSRK, 2000 LUMEN PER FOOT 90CRI 3500K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

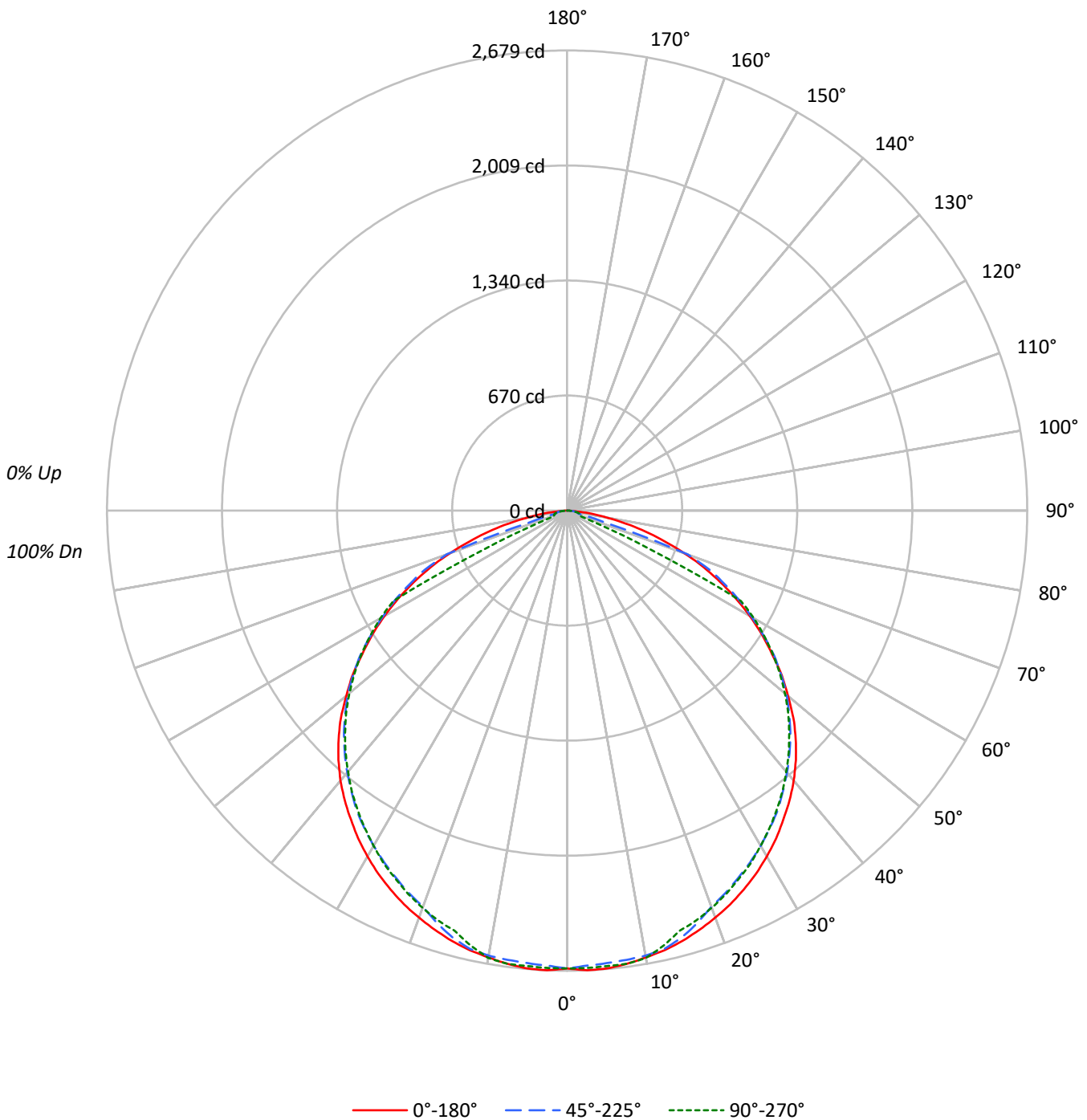
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7337.1 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
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	110	105	102	98	107	103	100	96	99	96	93		95	93	91		92	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81	78	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56		66	60	55		64	59	55	52
5	77	65	56	49	75	63	55	49	61	54	48		59	53	48		58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	37		49	42	37		47	41	37	35
8	61	48	39	34	60	47	39	34	46	39	33		45	38	33		43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27		38	32	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7172	7172	7172
5°	7227	7144	7190
10°	7218	7189	7227
15°	7226	7169	7055
20°	7223	7028	7048
25°	7226	7004	7024
30°	7224	7002	7002
35°	7212	7011	6988
40°	7210	6995	6971
45°	7163	6995	6956
50°	7025	6983	6926
55°	6835	6898	6867
60°	6613	6687	6760
65°	6264	6437	3403
70°	5731	5866	643
75°	4920	708	779
80°	3693	896	896
85°	1893	945	840



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.2	3.5
10°-20°	725.4	9.9
20°-30°	1102.7	15.0
30°-40°	1343.2	18.3
40°-50°	1421.3	19.4
50°-60°	1303.7	17.8
60°-70°	879.4	12.0
70°-80°	265.8	3.6
80°-90°	42.5	0.6
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°	2081.3	28.4
0°-40°	3424.5	46.7
0°-60°	6149.5	83.8
0°-90°	7337.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7337.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2665	2665	2665	2665	2665	
5°	2675	2655	2645	2669	2662	254
15°	2594	2580	2573	2553	2532	732
25°	2434	2430	2359	2383	2366	1122
35°	2195	2148	2134	2141	2127	1375
45°	1882	1838	1838	1841	1828	1449
55°	1457	1436	1470	1470	1464	1304
65°	984	970	1011	1024	534	971
75°	473	476	68	75	75	501
85°	61	31	31	27	27	93
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2665.2	2665.2	2665.2	2665.2	2665.2
2.5°	2678.8	2658.3	2651.6	2668.6	2665.2
5°	2675.4	2655.0	2644.7	2668.6	2661.8
7.5°	2661.8	2641.4	2638.0	2665.2	2661.8
10°	2641.4	2627.7	2631.1	2655.0	2644.7
12.5°	2620.9	2607.3	2614.1	2607.3	2593.7
15°	2593.7	2580.1	2573.3	2552.9	2532.4
17.5°	2559.7	2552.9	2518.8	2512.0	2501.8
20°	2522.2	2522.2	2454.1	2474.6	2461.0
22.5°	2481.3	2481.3	2409.9	2430.3	2416.7
25°	2433.8	2430.3	2358.8	2382.7	2365.7
27.5°	2382.7	2365.7	2307.8	2328.2	2314.6
30°	2324.8	2294.2	2253.3	2266.9	2253.3
32.5°	2263.5	2219.3	2195.4	2205.7	2192.1
35°	2195.4	2147.8	2134.2	2141.0	2127.3
37.5°	2127.3	2076.3	2062.7	2072.9	2059.3
40°	2052.5	2004.8	1991.2	1998.1	1984.5
42.5°	1970.8	1930.0	1916.4	1919.8	1909.5
45°	1882.3	1838.1	1838.1	1841.4	1827.8
47.5°	1787.0	1749.6	1753.0	1756.4	1746.1
50°	1678.0	1650.8	1667.9	1671.3	1654.3
52.5°	1576.0	1548.8	1569.1	1576.0	1562.4
55°	1456.8	1436.4	1470.4	1470.4	1463.6
57.5°	1344.5	1324.0	1358.2	1371.8	1361.5
60°	1228.7	1208.4	1242.4	1266.2	1256.0
62.5°	1106.2	1089.2	1130.1	1160.7	1140.3
65°	983.7	970.0	1010.9	1024.5	534.4
67.5°	857.8	847.5	895.2	323.4	85.1
70°	728.4	718.2	745.5	81.7	81.7
72.5°	595.7	599.1	238.3	78.3	78.3
75°	473.2	476.5	68.1	74.9	74.9
77.5°	350.6	357.4	64.7	68.1	68.1
80°	238.3	173.6	57.8	57.8	57.8
82.5°	143.0	40.8	44.2	44.2	40.8
85°	61.3	30.6	30.6	27.2	27.2
87.5°	20.4	13.6	13.6	10.3	10.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)