

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: **6RSRK-TS-200-HE-L835**

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: 6RSRK-TS-200-HE-L835
Description: 6ft RSRK, 2000 LUMEN PER FOOT 80CRI 3500K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

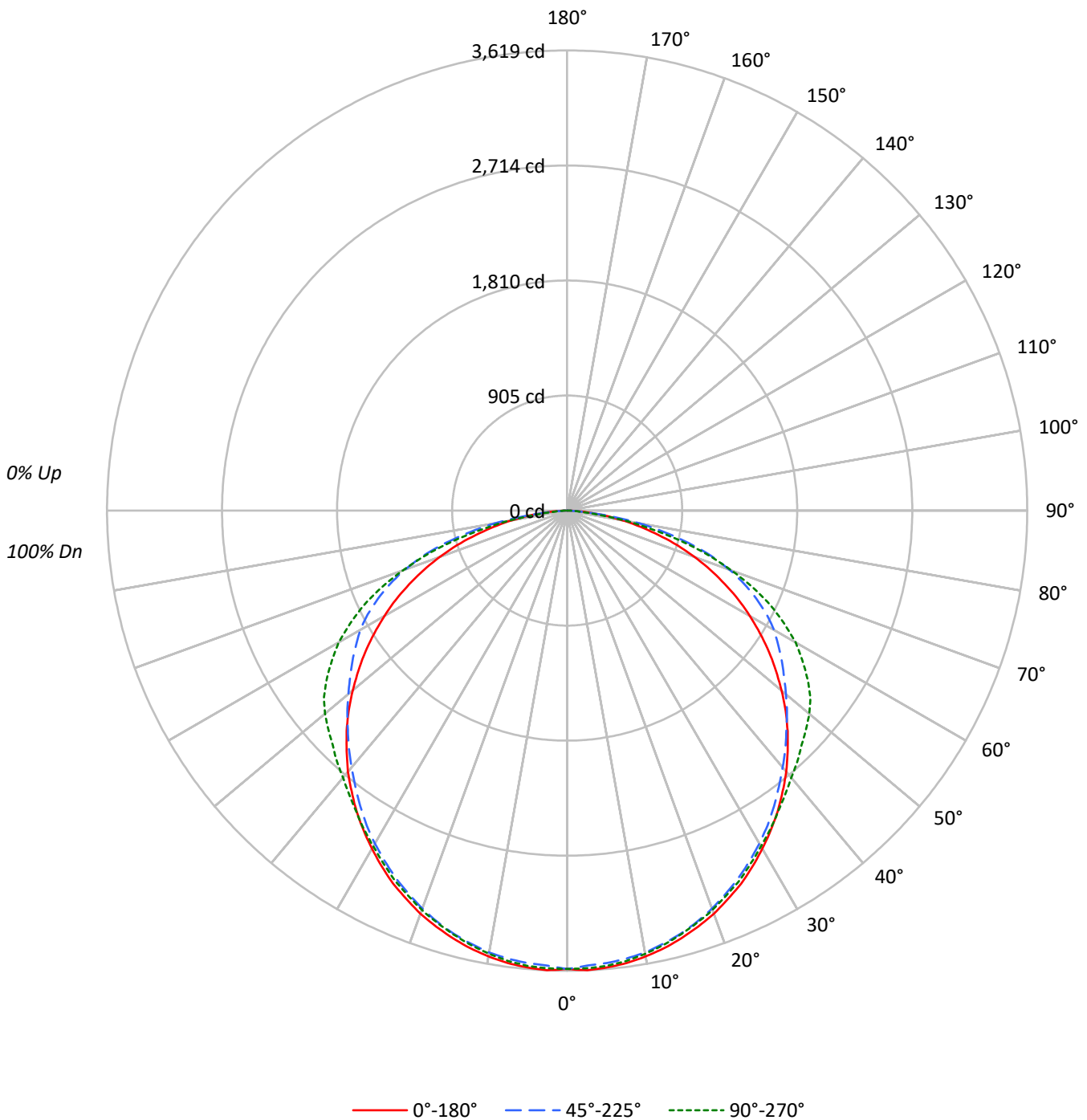
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11099.0 lumens
Efficiency: N/A
Efficacy: 181.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
Luminous Opening: Rectangular (W 1' x L: 6' 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	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°	6467	6467	6467
5°	6496	6433	6471
10°	6486	6429	6447
15°	6464	6399	6410
20°	6441	6359	6381
25°	6408	6312	6351
30°	6360	6264	6316
35°	6324	6213	6332
40°	6280	6175	6421
45°	6221	6186	6615
50°	6143	6268	6941
55°	6063	6447	7219
60°	5958	6740	7444
65°	5811	6966	7503
70°	5589	7119	7211
75°	5149	6887	6443
80°	4560	5926	4941
85°	3281	3001	1962



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.4	3.1
10°-20°	977.0	8.8
20°-30°	1479.4	13.3
30°-40°	1794.3	16.2
40°-50°	1919.5	17.3
50°-60°	1860.4	16.8
60°-70°	1558.1	14.0
70°-80°	957.4	8.6
80°-90°	211.5	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
0°-30°	2797.8	25.2
0°-40°	4592.0	41.4
0°-60°	8372.0	75.4
0°-90°	11099.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11099.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3605	3605	3605	3605	3605	
5°	3607	3599	3572	3595	3593	343
15°	3481	3473	3446	3461	3451	983
25°	3238	3218	3189	3210	3208	1491
35°	2888	2851	2837	2886	2891	1806
45°	2452	2400	2438	2563	2608	1891
55°	1939	1886	2061	2265	2308	1731
65°	1369	1361	1641	1752	1768	1354
75°	743	867	994	951	930	790
85°	159	214	146	101	95	201
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3605.0	3605.0	3605.0	3605.0	3605.0
2.5°	3618.7	3608.9	3581.7	3605.0	3603.1
5°	3607.0	3599.2	3572.0	3595.3	3593.4
7.5°	3589.5	3581.7	3554.5	3577.8	3572.0
10°	3560.3	3554.5	3529.2	3546.7	3538.9
12.5°	3525.3	3519.5	3490.3	3509.8	3500.0
15°	3480.6	3472.8	3445.6	3461.2	3451.4
17.5°	3430.0	3420.3	3393.1	3408.7	3398.9
20°	3373.7	3360.0	3330.9	3352.3	3342.5
22.5°	3305.6	3295.9	3260.9	3284.2	3274.5
25°	3237.5	3218.1	3188.9	3210.3	3208.4
27.5°	3155.9	3136.4	3107.3	3132.5	3128.7
30°	3070.3	3048.9	3023.7	3048.9	3048.9
32.5°	2980.9	2953.6	2934.2	2963.4	2973.1
35°	2887.5	2850.6	2837.0	2885.6	2891.4
37.5°	2784.5	2747.5	2735.9	2800.0	2815.6
40°	2681.4	2634.8	2636.7	2718.4	2741.7
42.5°	2566.7	2520.0	2541.4	2636.7	2679.5
45°	2452.0	2399.5	2438.4	2562.8	2607.5
47.5°	2331.4	2280.9	2345.0	2490.9	2547.3
50°	2201.1	2150.6	2245.9	2422.8	2487.0
52.5°	2068.9	2016.4	2150.6	2352.8	2411.1
55°	1938.6	1886.1	2061.1	2265.3	2308.1
57.5°	1798.6	1753.9	1967.8	2150.6	2193.4
60°	1660.6	1621.7	1878.4	2033.9	2074.7
62.5°	1518.6	1489.5	1769.5	1899.7	1923.1
65°	1368.9	1361.1	1641.1	1752.0	1767.5
67.5°	1219.2	1238.6	1508.9	1580.9	1582.8
70°	1065.6	1118.1	1357.2	1388.4	1374.7
72.5°	910.0	1001.4	1190.0	1174.5	1162.8
75°	742.8	867.2	993.6	950.8	929.5
77.5°	591.1	731.1	783.6	723.3	690.3
80°	441.4	577.5	573.6	495.8	478.3
82.5°	297.5	402.5	344.2	280.0	245.0
85°	159.4	213.9	145.8	101.1	95.3
87.5°	60.3	50.6	38.9	35.0	35.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)