

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-L940**

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-L940
Description: 6ft RSRK, 2000 LUMEN PER FOOT 90CRI 4000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

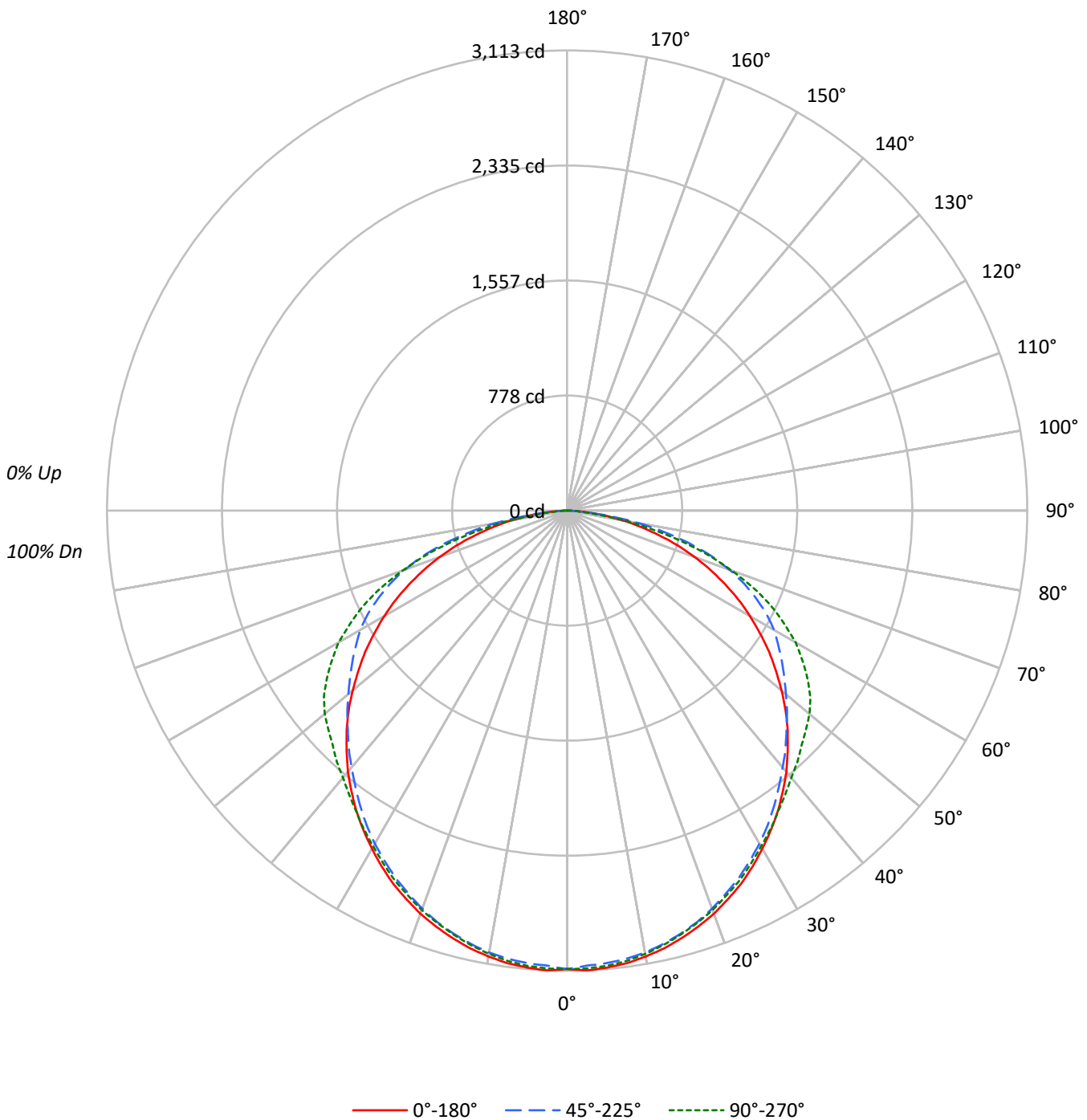
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9548.9 lumens
Efficiency: N/A
Efficacy: 156.0 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°	5564	5564	5564
5°	5589	5534	5567
10°	5580	5531	5546
15°	5562	5506	5515
20°	5541	5471	5490
25°	5514	5431	5464
30°	5472	5389	5434
35°	5441	5345	5448
40°	5403	5313	5524
45°	5352	5322	5692
50°	5285	5393	5972
55°	5217	5546	6211
60°	5126	5798	6405
65°	4999	5993	6455
70°	4809	6125	6204
75°	4430	5926	5543
80°	3924	5098	4251
85°	2824	2583	1688



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.7	3.1
10°-20°	840.6	8.8
20°-30°	1272.8	13.3
30°-40°	1543.7	16.2
40°-50°	1651.4	17.3
50°-60°	1600.6	16.8
60°-70°	1340.5	14.0
70°-80°	823.7	8.6
80°-90°	181.9	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°	2407.0	25.2
0°-40°	3950.7	41.4
0°-60°	7202.8	75.4
0°-90°	9548.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9548.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3102	3102	3102	3102	3102	
5°	3103	3097	3073	3093	3092	295
15°	2994	2988	2964	2978	2969	845
25°	2785	2769	2744	2762	2760	1283
35°	2484	2452	2441	2483	2488	1554
45°	2110	2064	2098	2205	2243	1627
55°	1668	1623	1773	1949	1986	1489
65°	1178	1171	1412	1507	1521	1165
75°	639	746	855	818	800	680
85°	137	184	126	87	82	173
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3101.6	3101.6	3101.6	3101.6	3101.6
2.5°	3113.3	3104.9	3081.5	3101.6	3099.9
5°	3103.3	3096.6	3073.1	3093.2	3091.6
7.5°	3088.2	3081.5	3058.1	3078.2	3073.1
10°	3063.1	3058.1	3036.3	3051.4	3044.7
12.5°	3033.0	3028.0	3002.9	3019.6	3011.3
15°	2994.5	2987.8	2964.4	2977.8	2969.4
17.5°	2951.0	2942.7	2919.2	2932.6	2924.3
20°	2902.5	2890.8	2865.7	2884.1	2875.7
22.5°	2844.0	2835.6	2805.5	2825.6	2817.2
25°	2785.4	2768.7	2743.6	2762.0	2760.3
27.5°	2715.1	2698.4	2673.3	2695.1	2691.7
30°	2641.5	2623.1	2601.4	2623.1	2623.1
32.5°	2564.6	2541.2	2524.4	2549.5	2557.9
35°	2484.3	2452.5	2440.8	2482.6	2487.6
37.5°	2395.6	2363.8	2353.8	2409.0	2422.4
40°	2307.0	2266.8	2268.5	2338.7	2358.8
42.5°	2208.3	2168.1	2186.5	2268.5	2305.3
45°	2109.5	2064.4	2097.8	2204.9	2243.4
47.5°	2005.8	1962.3	2017.5	2143.0	2191.5
50°	1893.7	1850.2	1932.2	2084.5	2139.7
52.5°	1780.0	1734.8	1850.2	2024.2	2074.4
55°	1667.9	1622.7	1773.3	1948.9	1985.8
57.5°	1547.4	1509.0	1693.0	1850.2	1887.1
60°	1428.7	1395.2	1616.0	1749.9	1785.0
62.5°	1306.5	1281.5	1522.4	1634.4	1654.5
65°	1177.7	1171.0	1411.9	1507.3	1520.7
67.5°	1048.9	1065.6	1298.2	1360.1	1361.8
70°	916.8	961.9	1167.7	1194.5	1182.8
72.5°	782.9	861.6	1023.8	1010.4	1000.4
75°	639.1	746.1	854.9	818.1	799.7
77.5°	508.6	629.0	674.2	622.3	593.9
80°	379.8	496.9	493.5	426.6	411.5
82.5°	256.0	346.3	296.1	240.9	210.8
85°	137.2	184.0	125.5	87.0	82.0
87.5°	51.9	43.5	33.5	30.1	30.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)