

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-200-HE-L930**

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: 6RSRK-200-HE-L930
Description: 6ft RSRK, 2000 LUMEN PER FOOT 90CRI 3000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

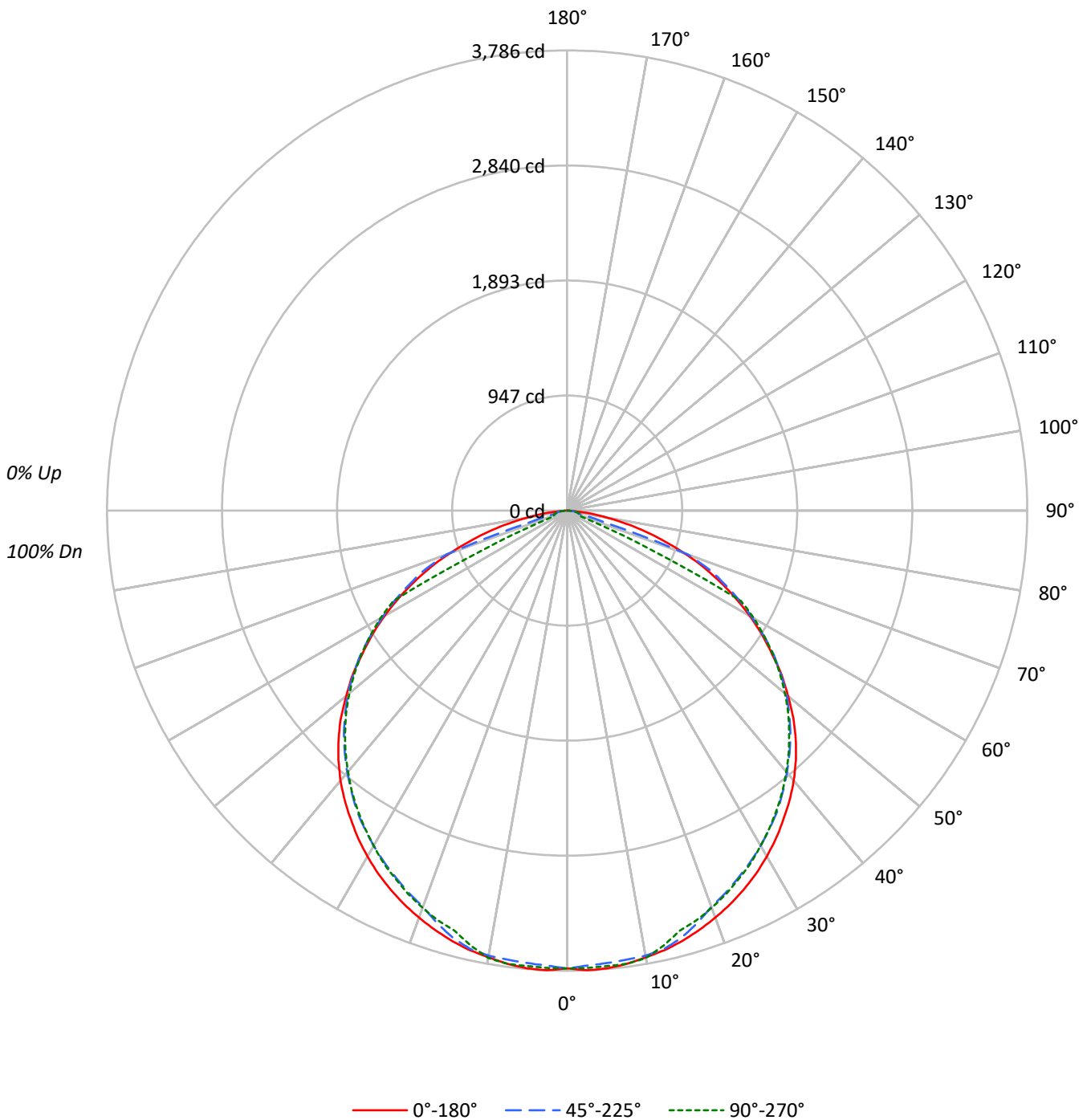
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10368.3 lumens
Efficiency: N/A
Efficacy: 169.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
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

TEST NUMBER: P#
CATALOG NUMBER: 6RSRK-200-HE-L930

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-200-HE-L930

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°	6757	6757	6757
5°	6808	6730	6774
10°	6800	6773	6808
15°	6807	6754	6646
20°	6804	6621	6639
25°	6808	6598	6617
30°	6806	6596	6596
35°	6794	6605	6584
40°	6793	6590	6567
45°	6748	6590	6553
50°	6618	6578	6524
55°	6439	6499	6469
60°	6230	6299	6368
65°	5900	6064	3205
70°	5399	5525	605
75°	4634	667	733
80°	3478	844	844
85°	1783	889	792



TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-200-HE-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.8	3.5
10°-20°	1025.0	9.9
20°-30°	1558.2	15.0
30°-40°	1898.1	18.3
40°-50°	2008.5	19.4
50°-60°	1842.3	17.8
60°-70°	1242.6	12.0
70°-80°	375.6	3.6
80°-90°	60.1	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°	2941.1	28.4
0°-40°	4839.2	46.7
0°-60°	8690.0	83.8
0°-90°	10368.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10368.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3766	3766	3766	3766	3766	
5°	3781	3752	3737	3771	3761	359
15°	3665	3646	3636	3608	3579	1035
25°	3439	3434	3333	3367	3343	1586
35°	3102	3035	3016	3025	3006	1943
45°	2660	2597	2597	2602	2583	2048
55°	2059	2030	2078	2078	2068	1843
65°	1390	1371	1428	1448	755	1372
75°	669	673	96	106	106	708
85°	87	43	43	38	38	132
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-200-HE-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3766.3	3766.3	3766.3	3766.3	3766.3
2.5°	3785.5	3756.6	3747.1	3771.0	3766.3
5°	3780.7	3751.8	3737.3	3771.0	3761.4
7.5°	3761.4	3732.6	3727.8	3766.3	3761.4
10°	3732.6	3713.3	3718.1	3751.8	3737.3
12.5°	3703.7	3684.5	3694.1	3684.5	3665.2
15°	3665.2	3646.0	3636.4	3607.5	3578.6
17.5°	3617.1	3607.5	3559.4	3549.8	3535.4
20°	3564.2	3564.2	3468.0	3496.9	3477.7
22.5°	3506.4	3506.4	3405.5	3434.3	3415.1
25°	3439.2	3434.3	3333.3	3367.0	3343.0
27.5°	3367.0	3343.0	3261.2	3290.0	3270.8
30°	3285.3	3241.9	3184.2	3203.5	3184.2
32.5°	3198.6	3136.1	3102.4	3116.9	3097.6
35°	3102.4	3035.2	3015.9	3025.4	3006.2
37.5°	3006.2	2934.1	2914.9	2929.2	2910.0
40°	2900.5	2833.0	2813.8	2823.5	2804.3
42.5°	2785.1	2727.3	2708.1	2712.8	2698.4
45°	2659.9	2597.4	2597.4	2602.2	2582.9
47.5°	2525.2	2472.3	2477.2	2482.0	2467.5
50°	2371.3	2332.8	2356.9	2361.8	2337.7
52.5°	2227.1	2188.6	2217.4	2227.1	2207.9
55°	2058.7	2029.8	2077.9	2077.9	2068.3
57.5°	1900.0	1871.0	1919.3	1938.5	1924.0
60°	1736.4	1707.6	1755.6	1789.3	1774.8
62.5°	1563.2	1539.2	1596.9	1640.2	1611.4
65°	1390.0	1370.8	1428.5	1447.8	755.1
67.5°	1212.1	1197.6	1265.1	457.0	120.2
70°	1029.3	1015.0	1053.4	115.4	115.4
72.5°	841.8	846.6	336.7	110.7	110.7
75°	668.6	673.4	96.2	105.8	105.8
77.5°	495.5	505.0	91.4	96.2	96.2
80°	336.7	245.4	81.7	81.7	81.7
82.5°	202.0	57.7	62.5	62.5	57.7
85°	86.6	43.2	43.2	38.5	38.5
87.5°	28.9	19.2	19.2	14.5	14.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)