

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-L950**

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-L950
Description: 6ft RSRK, 2000 LUMEN PER FOOT 90CRI 5000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

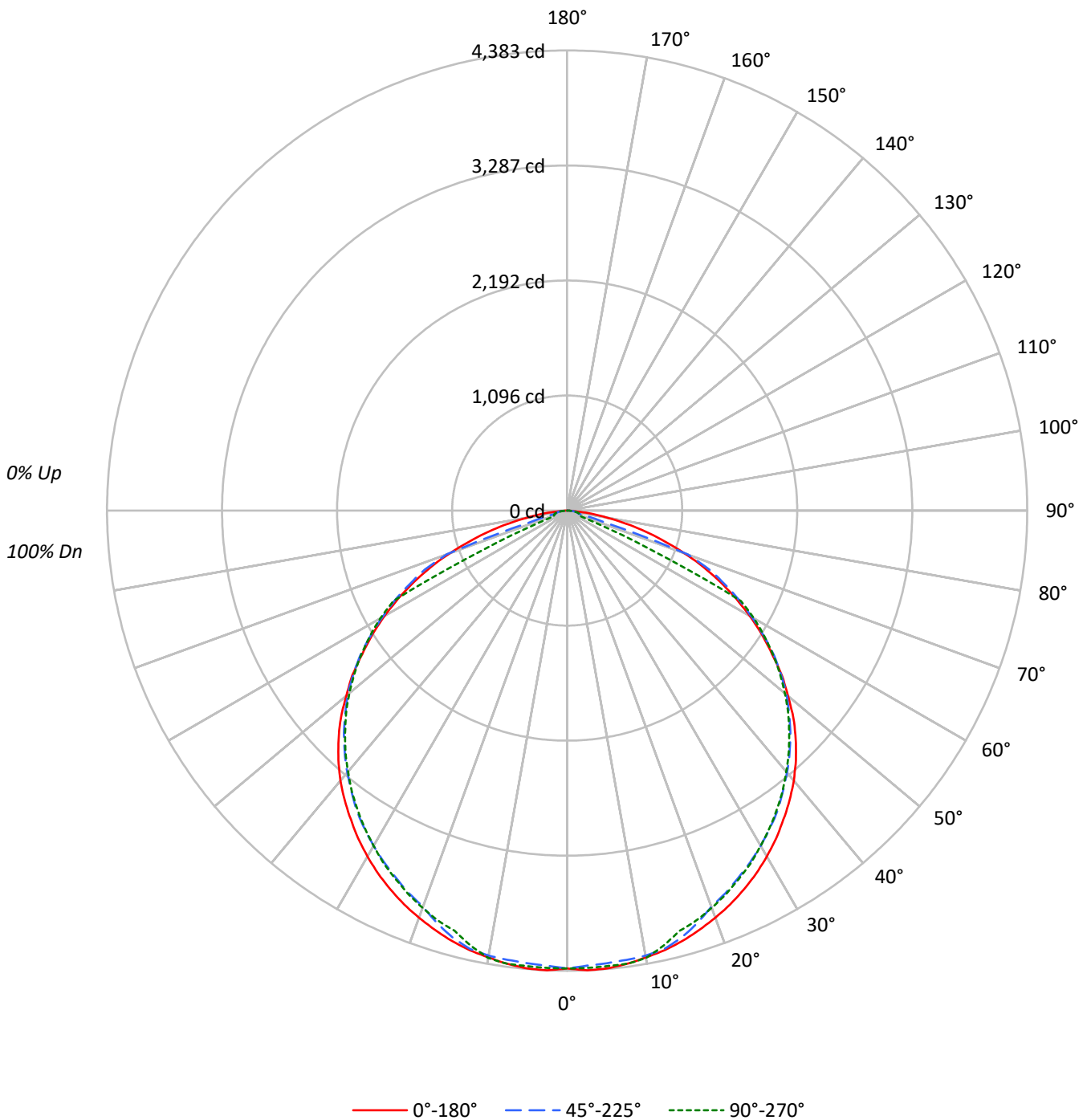
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12005.2 lumens
Efficiency: N/A
Efficacy: 196.2 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

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CATALOG NUMBER: 6RSRK-200-HE-L950

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°	7823	7823	7823
5°	7883	7793	7843
10°	7873	7842	7883
15°	7882	7820	7696
20°	7879	7666	7687
25°	7883	7640	7662
30°	7880	7637	7637
35°	7867	7648	7623
40°	7865	7630	7604
45°	7814	7630	7588
50°	7663	7616	7554
55°	7456	7525	7490
60°	7214	7294	7373
65°	6832	7021	3711
70°	6251	6398	701
75°	5366	772	849
80°	4028	977	977
85°	2062	1031	918



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.3	3.5
10°-20°	1186.8	9.9
20°-30°	1804.2	15.0
30°-40°	2197.8	18.3
40°-50°	2325.6	19.4
50°-60°	2133.1	17.8
60°-70°	1438.8	12.0
70°-80°	434.9	3.6
80°-90°	69.6	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°	3405.4	28.4
0°-40°	5603.2	46.7
0°-60°	10061.9	83.8
0°-90°	12005.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12005.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4361	4361	4361	4361	4361	
5°	4378	4344	4327	4366	4355	416
15°	4244	4222	4210	4177	4144	1198
25°	3982	3976	3860	3899	3871	1836
35°	3592	3514	3492	3503	3481	2249
45°	3080	3008	3008	3013	2991	2371
55°	2384	2350	2406	2406	2395	2133
65°	1610	1587	1654	1676	874	1589
75°	774	780	111	122	122	820
85°	100	50	50	45	45	153
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4360.9	4360.9	4360.9	4360.9	4360.9
2.5°	4383.2	4349.6	4338.6	4366.4	4360.9
5°	4377.5	4344.1	4327.3	4366.4	4355.2
7.5°	4355.2	4321.8	4316.3	4360.9	4355.2
10°	4321.8	4299.5	4305.1	4344.1	4327.3
12.5°	4288.4	4266.1	4277.3	4266.1	4243.9
15°	4243.9	4221.6	4210.4	4177.0	4143.6
17.5°	4188.2	4177.0	4121.3	4110.2	4093.5
20°	4126.8	4126.8	4015.4	4049.0	4026.7
22.5°	4060.0	4060.0	3943.1	3976.5	3954.2
25°	3982.2	3976.5	3859.5	3898.6	3870.8
27.5°	3898.6	3870.8	3776.0	3809.4	3787.2
30°	3803.9	3753.8	3686.9	3709.2	3686.9
32.5°	3703.6	3631.2	3592.2	3608.9	3586.7
35°	3592.2	3514.3	3492.1	3503.1	3480.8
37.5°	3480.8	3397.3	3375.0	3391.7	3369.4
40°	3358.4	3280.3	3258.0	3269.3	3247.0
42.5°	3224.7	3157.9	3135.6	3141.1	3124.3
45°	3079.8	3007.5	3007.5	3013.0	2990.7
47.5°	2923.9	2862.7	2868.3	2873.8	2857.0
50°	2745.6	2701.1	2729.0	2734.6	2706.7
52.5°	2578.7	2534.1	2567.4	2578.7	2556.4
55°	2383.7	2350.3	2406.0	2406.0	2394.8
57.5°	2200.0	2166.4	2222.2	2244.5	2227.7
60°	2010.5	1977.2	2032.8	2071.8	2055.0
62.5°	1810.0	1782.2	1849.0	1899.1	1865.8
65°	1609.5	1587.2	1654.0	1676.3	874.3
67.5°	1403.5	1386.7	1464.8	529.2	139.2
70°	1191.8	1175.2	1219.8	133.7	133.7
72.5°	974.7	980.2	389.9	128.2	128.2
75°	774.2	779.7	111.4	122.5	122.5
77.5°	573.7	584.7	105.9	111.4	111.4
80°	389.9	284.1	94.6	94.6	94.6
82.5°	233.9	66.8	72.3	72.3	66.8
85°	100.2	50.1	50.1	44.6	44.6
87.5°	33.4	22.3	22.3	16.8	16.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)