

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: P289545

Luminaire Tested: **6RSRK-RM-200-HE-L930**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289545
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 6RSRK-RM-200-HE-L930
Description: 6ft RSRK, 2000 LUMEN PER FOOT 90CRI 3000K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

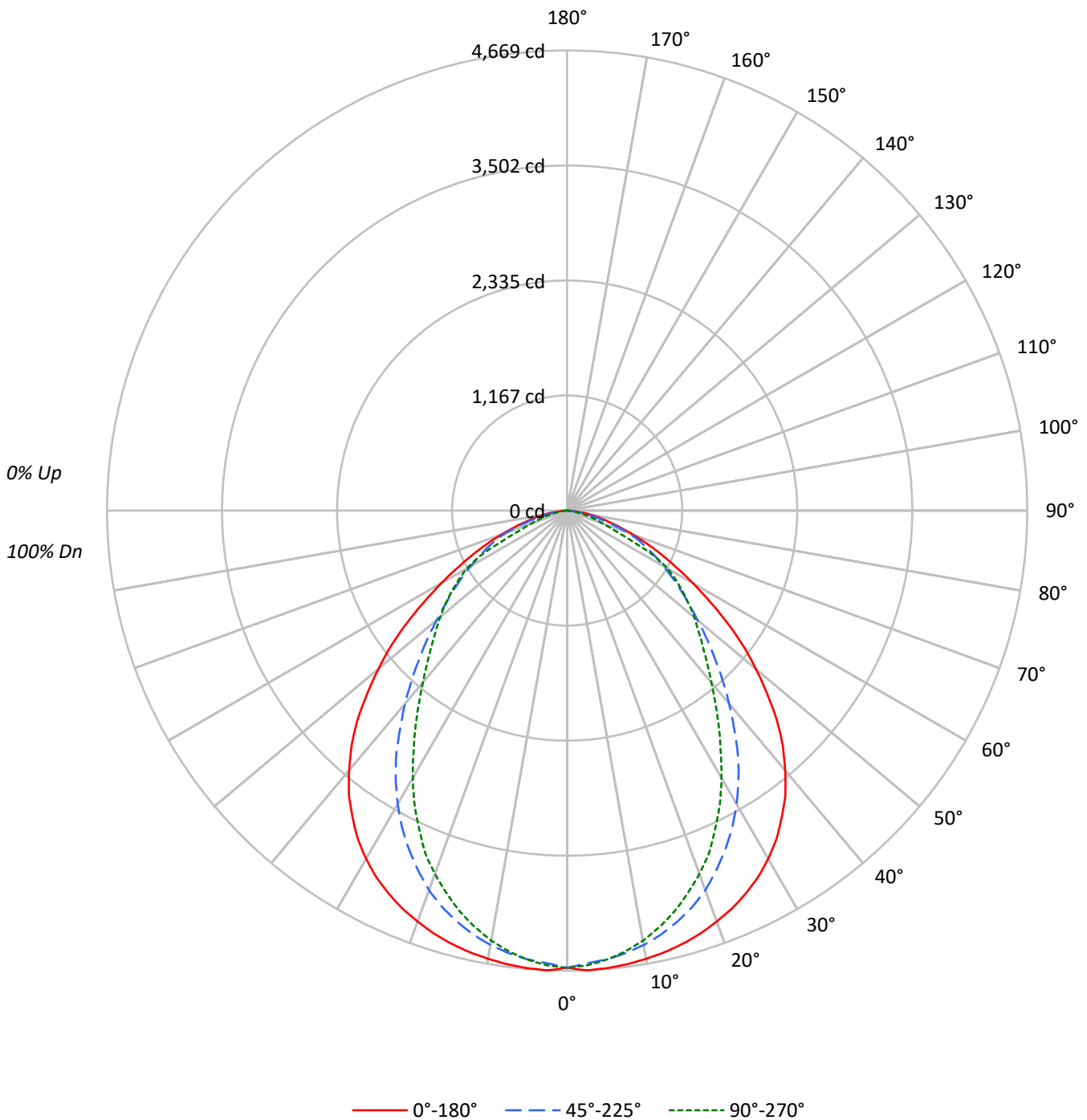
Lumens per Lamp: N/A
Luminaire Lumens: 9846.4 lumens
Efficiency: N/A
Efficacy: 160.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')
CIE Type: Direct

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	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					100			
1	110	106	102	99	108	104	101	97	100	97	94	96	94	92	92	91	89					87				
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77					75				
3	93	84	76	71	91	82	75	70	79	74	69	77	72	68	74	70	66					64				
4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58					56				
5	80	68	59	53	78	67	59	53	65	58	53	63	57	52	61	56	51					49				
6	74	61	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46					44				
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41					39				
8	64	52	44	38	63	51	43	38	50	43	38	48	42	37	47	42	37					35				
9	60	48	40	34	59	47	39	34	46	39	34	45	39	34	44	38	34					32				
10	57	44	37	32	55	44	36	31	43	36	31	42	36	31	41	35	31					29				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8321	8321	8321
5°	8391	8233	8239
10°	8413	8152	8071
15°	8449	8020	7820
20°	8470	7826	7489
25°	8486	7512	7043
30°	8451	7125	6490
35°	8318	6619	5874
40°	8058	5990	5330
45°	7637	5372	4931
50°	6979	4815	4699
55°	6194	4399	4471
60°	5284	4053	4218
65°	4461	3795	3011
70°	3689	3455	2042
75°	2987	2539	1600
80°	2481	1812	986
85°	1711	760	665



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	436.4	4.4
10°-20°	1226.4	12.5
20°-30°	1776.2	18.0
30°-40°	1949.5	19.8
40°-50°	1761.4	17.9
50°-60°	1373.4	13.9
60°-70°	869.4	8.8
70°-80°	380.7	3.9
80°-90°	73.0	0.7
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°	3439.0	34.9
0°-40°	5388.5	54.7
0°-60°	8523.3	86.6
0°-90°	9846.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9846.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4638	4638	4638	4638	4638	
5°	4660	4629	4572	4597	4575	443
15°	4549	4464	4318	4266	4210	1285
25°	4287	4100	3795	3652	3558	1975
35°	3798	3458	3022	2781	2682	2371
45°	3010	2533	2118	1991	1944	2308
55°	1980	1588	1406	1426	1430	1770
65°	1051	874	894	856	709	1053
75°	431	443	366	263	231	471
85°	83	78	37	34	32	108
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4638.1	4638.1	4638.1	4638.1	4638.1
2.5°	4668.9	4642.8	4596.6	4632.0	4619.7
5°	4659.7	4628.9	4572.0	4596.6	4575.1
7.5°	4642.8	4605.8	4530.4	4538.1	4512.0
10°	4618.1	4568.9	4475.0	4465.8	4430.4
12.5°	4587.4	4521.2	4405.8	4373.5	4327.3
15°	4548.9	4464.3	4318.1	4265.7	4210.3
17.5°	4499.6	4391.9	4218.0	4133.4	4070.3
20°	4436.6	4307.3	4099.5	3988.7	3922.6
22.5°	4370.4	4210.3	3951.8	3836.4	3762.5
25°	4287.3	4099.5	3794.8	3651.7	3557.9
27.5°	4193.4	3971.8	3625.6	3448.6	3354.7
30°	4079.5	3822.5	3439.4	3227.0	3133.1
32.5°	3953.3	3653.3	3236.2	3010.0	2900.8
35°	3797.9	3457.8	3022.3	2780.7	2682.2
37.5°	3637.9	3247.0	2782.3	2557.6	2473.0
40°	3440.9	3023.9	2557.6	2351.4	2276.0
42.5°	3239.3	2776.1	2332.9	2162.1	2100.6
45°	3010.0	2533.0	2117.5	1991.3	1943.6
47.5°	2753.0	2291.4	1919.0	1840.5	1806.6
50°	2500.7	2049.8	1725.1	1694.3	1683.5
52.5°	2249.8	1812.8	1557.3	1560.4	1554.3
55°	1980.5	1588.1	1406.5	1426.5	1429.6
57.5°	1712.8	1374.2	1264.9	1301.9	1305.0
60°	1472.7	1191.1	1129.5	1174.2	1175.7
62.5°	1251.1	1020.3	1006.4	1049.5	998.7
65°	1051.0	874.1	894.1	855.6	709.4
67.5°	872.5	752.5	784.8	598.6	503.2
70°	703.3	634.0	658.6	446.3	389.3
72.5°	555.5	535.5	498.6	347.8	303.2
75°	430.9	443.2	366.3	263.1	230.8
77.5°	329.3	360.1	266.2	189.3	158.5
80°	240.1	269.3	175.4	113.9	95.4
82.5°	158.5	169.3	92.3	58.5	50.8
85°	83.1	78.5	36.9	33.9	32.3
87.5°	35.4	20.0	18.5	15.4	15.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)