

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: **8RSRK-150-HE-L930**

Issue Date: 3/3/2020



**Test Information**

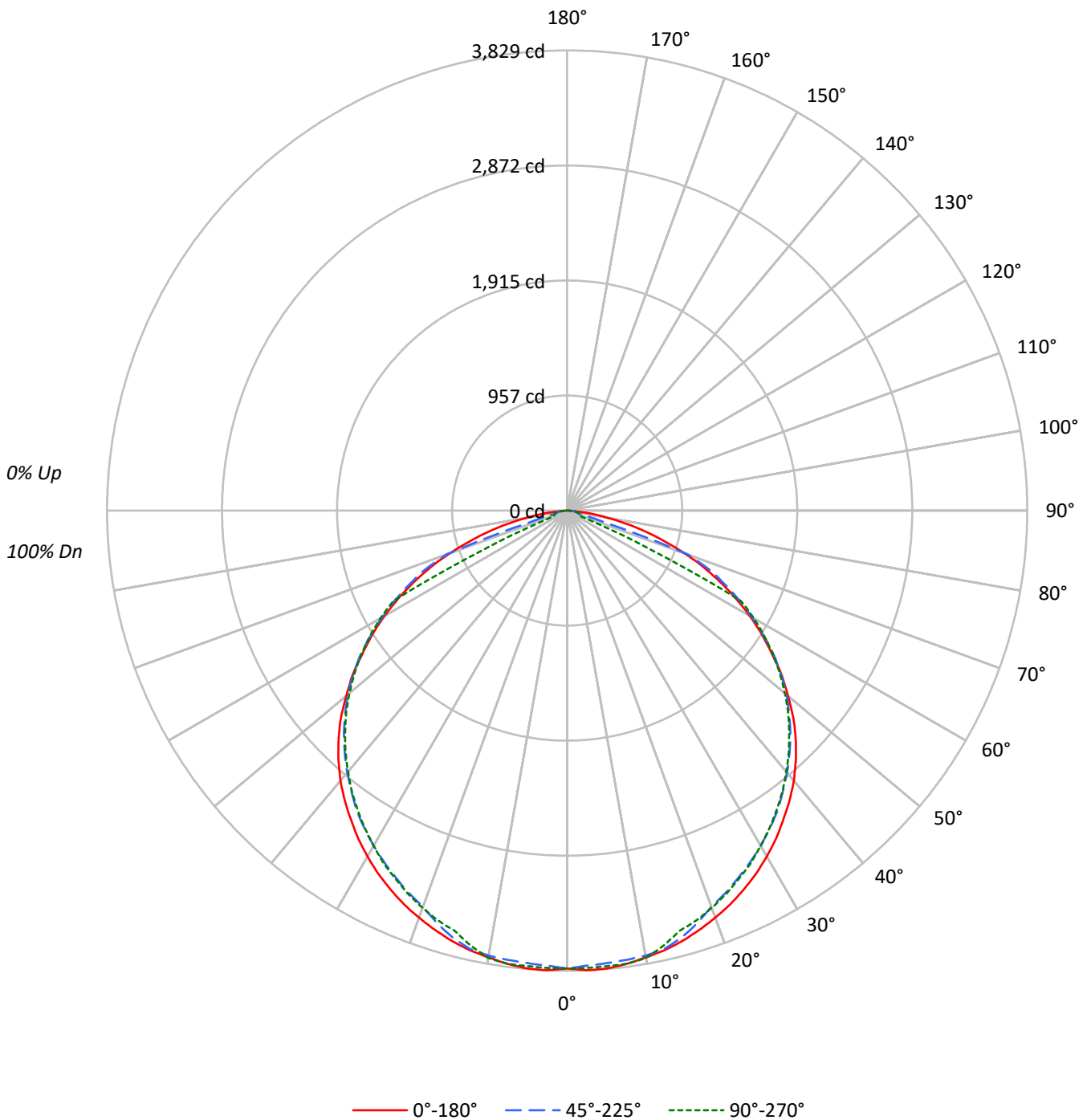
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1811-041-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8RSRK-150-HE-L930  
Description: 8ft RSRK, 1500 LUMEN PER FOOT 90CRI 3000K CCT WITH NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10486.6 lumens  
Efficiency: N/A  
Efficacy: 237.3 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4  
Luminous Opening: Rectangular (W 1' x L: 8' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 44.2  
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	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°	5125	5125	5125
5°	5165	5105	5138
10°	5158	5138	5164
15°	5164	5123	5042
20°	5161	5022	5036
25°	5164	5005	5020
30°	5162	5004	5004
35°	5154	5010	4994
40°	5153	4999	4982
45°	5119	4999	4971
50°	5020	4990	4949
55°	4884	4930	4907
60°	4726	4778	4831
65°	4476	4600	2431
70°	4096	4192	459
75°	3516	506	556
80°	2638	640	640
85°	1352	675	601



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	361.9	3.5
10°-20°	1036.7	9.9
20°-30°	1576.0	15.0
30°-40°	1919.8	18.3
40°-50°	2031.4	19.4
50°-60°	1863.3	17.8
60°-70°	1256.8	12.0
70°-80°	379.9	3.6
80°-90°	60.8	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°	2974.6	28.4
0°-40°	4894.4	46.7
0°-60°	8789.2	83.8
0°-90°	10486.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10486.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3809	3809	3809	3809	3809	
5°	3824	3795	3780	3814	3804	363
15°	3707	3688	3678	3649	3620	1046
25°	3478	3474	3371	3405	3381	1604
35°	3138	3070	3050	3060	3040	1965
45°	2690	2627	2627	2632	2612	2071
55°	2082	2053	2102	2102	2092	1864
65°	1406	1386	1445	1464	764	1388
75°	676	681	97	107	107	717
85°	88	44	44	39	39	134
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3809.3	3809.3	3809.3	3809.3	3809.3
2.5°	3828.7	3799.4	3789.8	3814.1	3809.3
5°	3823.8	3794.6	3780.0	3814.1	3804.4
7.5°	3804.4	3775.2	3770.4	3809.3	3804.4
10°	3775.2	3755.7	3760.5	3794.6	3780.0
12.5°	3746.0	3726.5	3736.3	3726.5	3707.1
15°	3707.1	3687.6	3677.9	3648.7	3619.5
17.5°	3658.4	3648.7	3600.0	3590.3	3575.8
20°	3604.8	3604.8	3507.5	3536.8	3517.4
22.5°	3546.5	3546.5	3444.4	3473.5	3454.1
25°	3478.5	3473.5	3371.3	3405.4	3381.2
27.5°	3405.4	3381.2	3298.4	3327.6	3308.1
30°	3322.8	3278.9	3220.6	3240.0	3220.6
32.5°	3235.1	3171.9	3137.8	3152.5	3133.0
35°	3137.8	3069.8	3050.4	3060.0	3040.5
37.5°	3040.5	2967.6	2948.1	2962.7	2943.2
40°	2933.6	2865.4	2845.9	2855.8	2836.3
42.5°	2816.8	2758.5	2739.0	2743.8	2729.2
45°	2690.2	2627.1	2627.1	2631.9	2612.4
47.5°	2554.0	2500.6	2505.5	2510.3	2495.6
50°	2398.3	2359.4	2383.8	2388.7	2364.3
52.5°	2252.5	2213.6	2242.7	2252.5	2233.1
55°	2082.2	2053.0	2101.6	2101.6	2091.9
57.5°	1921.7	1892.4	1941.2	1960.6	1946.0
60°	1756.2	1727.1	1775.6	1809.7	1795.1
62.5°	1581.0	1556.8	1615.1	1658.9	1629.8
65°	1405.9	1386.4	1444.8	1464.3	763.7
67.5°	1226.0	1211.3	1279.5	462.2	121.6
70°	1041.1	1026.6	1065.5	116.8	116.8
72.5°	851.4	856.2	340.5	112.0	112.0
75°	676.3	681.1	97.3	107.0	107.0
77.5°	501.1	510.8	92.5	97.3	97.3
80°	340.5	248.2	82.6	82.6	82.6
82.5°	204.3	58.4	63.2	63.2	58.4
85°	87.6	43.7	43.7	38.9	38.9
87.5°	29.2	19.5	19.5	14.7	14.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)