

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-TS-150-HE-L830**

Issue Date: 3/3/2020



**Test Information**

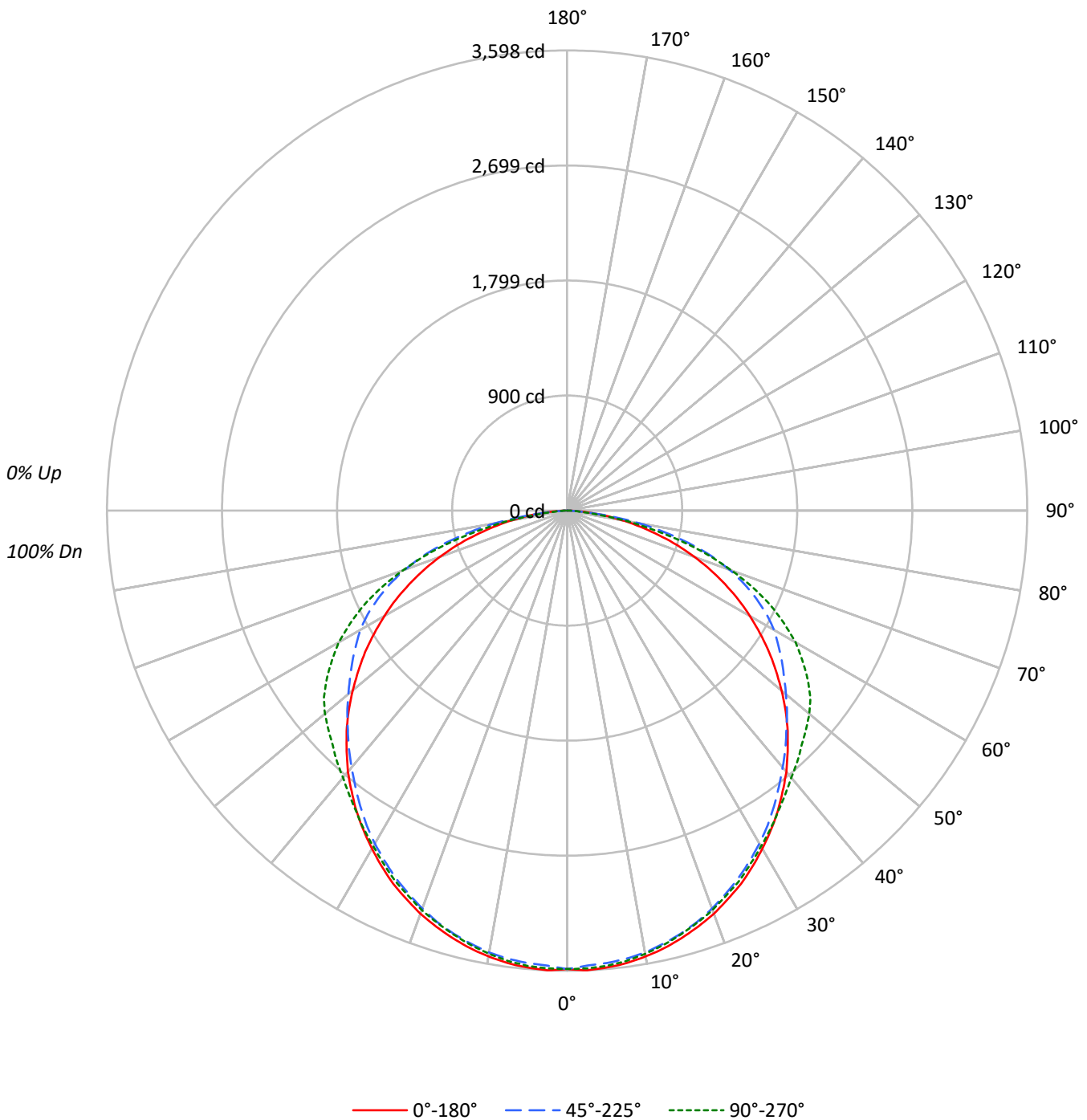
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8RSRK-TS-150-HE-L830  
Description: 8ft RSRK, 1500 LUMEN PER FOOT 80CRI 3000K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11035.3 lumens  
Efficiency: N/A  
Efficacy: 249.7 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39  
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	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°	4823	4823	4823
5°	4844	4797	4826
10°	4836	4794	4807
15°	4820	4772	4780
20°	4803	4742	4759
25°	4779	4707	4736
30°	4743	4671	4710
35°	4716	4633	4722
40°	4683	4605	4788
45°	4639	4613	4933
50°	4581	4674	5176
55°	4522	4807	5383
60°	4443	5026	5551
65°	4333	5195	5595
70°	4168	5309	5377
75°	3839	5136	4804
80°	3401	4419	3685
85°	2447	2238	1462



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	339.4	3.1
10°-20°	971.4	8.8
20°-30°	1470.9	13.3
30°-40°	1784.0	16.2
40°-50°	1908.5	17.3
50°-60°	1849.7	16.8
60°-70°	1549.2	14.0
70°-80°	951.9	8.6
80°-90°	210.2	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°	2781.7	25.2
0°-40°	4565.7	41.4
0°-60°	8323.9	75.4
0°-90°	11035.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11035.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3584	3584	3584	3584	3584	
5°	3586	3579	3552	3575	3573	341
15°	3461	3453	3426	3441	3432	977
25°	3219	3200	3171	3192	3190	1483
35°	2871	2834	2821	2869	2875	1795
45°	2438	2386	2424	2548	2593	1880
55°	1928	1875	2049	2252	2295	1721
65°	1361	1353	1632	1742	1757	1346
75°	738	862	988	945	924	786
85°	158	213	145	100	95	200
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3584.4	3584.4	3584.4	3584.4	3584.4
2.5°	3597.9	3588.2	3561.2	3584.4	3582.4
5°	3586.3	3578.6	3551.5	3574.7	3572.8
7.5°	3568.9	3561.2	3534.1	3557.3	3551.5
10°	3539.9	3534.1	3509.0	3526.4	3518.6
12.5°	3505.1	3499.3	3470.3	3489.6	3480.0
15°	3460.6	3452.9	3425.8	3441.3	3431.6
17.5°	3410.4	3400.7	3373.6	3389.1	3379.4
20°	3354.3	3340.8	3311.8	3333.0	3323.4
22.5°	3286.6	3277.0	3242.2	3265.4	3255.7
25°	3219.0	3199.6	3170.6	3191.9	3190.0
27.5°	3137.8	3118.4	3089.4	3114.6	3110.7
30°	3052.7	3031.4	3006.3	3031.4	3031.4
32.5°	2963.8	2936.7	2917.4	2946.4	2956.0
35°	2871.0	2834.2	2820.7	2869.0	2874.8
37.5°	2768.5	2731.8	2720.2	2784.0	2799.4
40°	2666.0	2619.6	2621.6	2702.8	2726.0
42.5°	2552.0	2505.6	2526.8	2621.6	2664.1
45°	2437.9	2385.7	2424.4	2548.1	2592.6
47.5°	2318.0	2267.8	2331.6	2476.6	2532.6
50°	2188.5	2138.2	2233.0	2408.9	2472.7
52.5°	2057.0	2004.8	2138.2	2339.3	2397.3
55°	1927.5	1875.3	2049.3	2252.3	2294.8
57.5°	1788.3	1743.8	1956.5	2138.2	2180.8
60°	1651.0	1612.4	1867.6	2022.2	2062.8
62.5°	1509.9	1480.9	1759.3	1888.8	1912.0
65°	1361.1	1353.3	1631.7	1741.9	1757.4
67.5°	1212.2	1231.5	1500.3	1571.8	1573.7
70°	1059.5	1111.7	1349.5	1380.4	1366.9
72.5°	904.8	995.7	1183.2	1167.7	1156.1
75°	738.5	862.3	987.9	945.4	924.1
77.5°	587.7	726.9	779.1	719.2	686.3
80°	438.9	574.2	570.3	493.0	475.6
82.5°	295.8	400.2	342.2	278.4	243.6
85°	158.5	212.7	145.0	100.5	94.7
87.5°	59.9	50.3	38.7	34.8	34.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)