

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-200-HE-L840**

Issue Date: 3/3/2020



**Test Information**

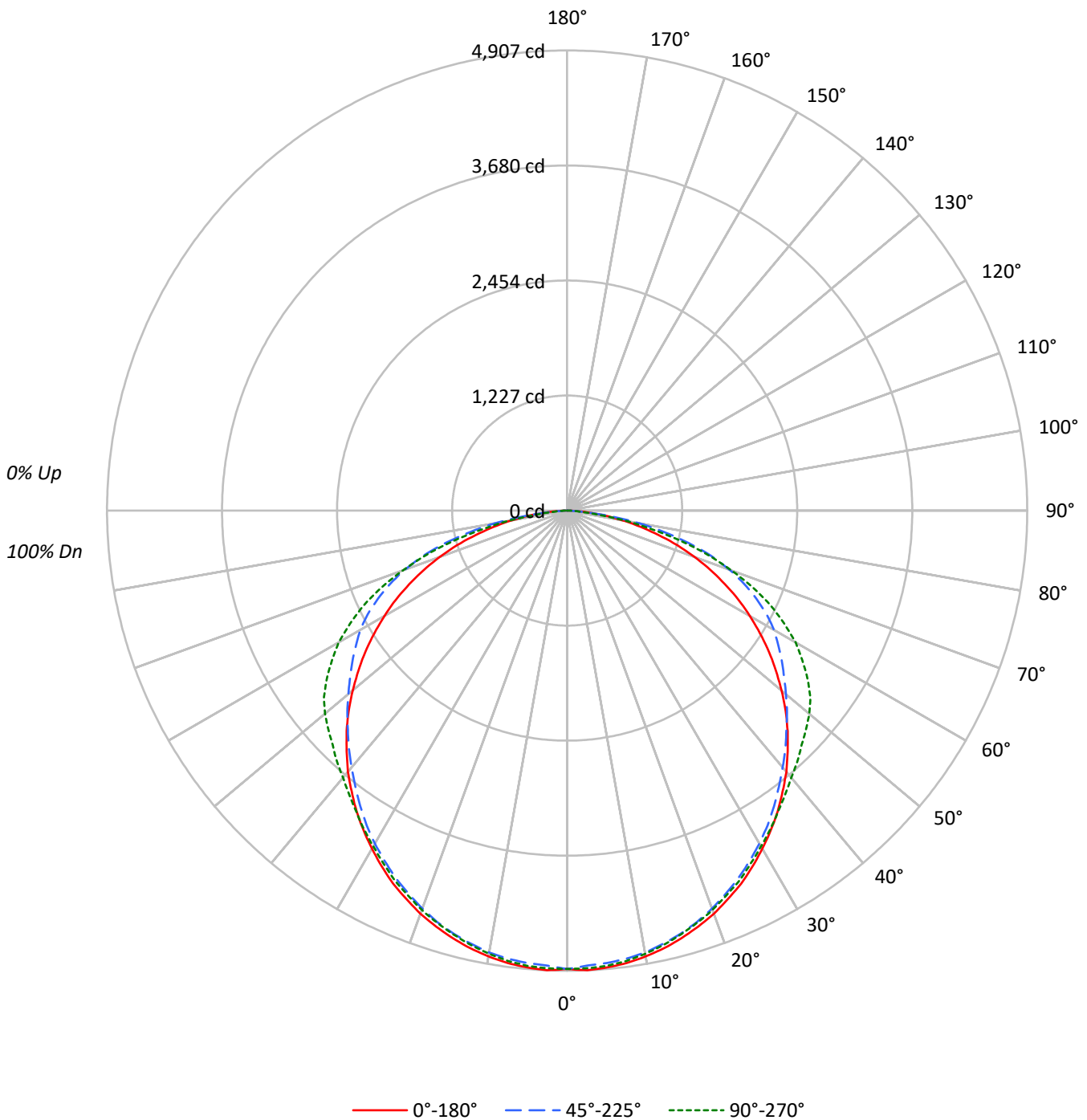
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8RSRK-TS-200-HE-L840  
Description: 8ft RSRK, 2000 LUMEN PER FOOT 80CRI 4000K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15049.6 lumens  
Efficiency: N/A  
Efficacy: 245.9 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): 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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83				83
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68				68
3	89	78	69	62	86	76	68	62	73	66	61	70	65	60	68	63	59	56				56
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	54	50	48				48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41				41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	42	38	36				36
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31				31
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28				28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	37	31	27	25				25
10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24	22				22

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	6577	6577	6577
5°	6606	6542	6581
10°	6596	6538	6556
15°	6574	6508	6519
20°	6550	6467	6490
25°	6517	6419	6459
30°	6468	6370	6423
35°	6431	6319	6440
40°	6386	6280	6530
45°	6326	6291	6728
50°	6247	6374	7059
55°	6166	6556	7341
60°	6059	6854	7570
65°	5910	7085	7630
70°	5684	7240	7333
75°	5236	7004	6552
80°	4637	6027	5026
85°	3338	3052	1995



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	462.9	3.1
10°-20°	1324.7	8.8
20°-30°	2006.0	13.3
30°-40°	2433.0	16.2
40°-50°	2602.7	17.3
50°-60°	2522.6	16.8
60°-70°	2112.7	14.0
70°-80°	1298.2	8.6
80°-90°	286.7	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°	3793.6	25.2
0°-40°	6226.6	41.4
0°-60°	11351.9	75.4
0°-90°	15049.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15049.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4888	4888	4888	4888	4888	
5°	4891	4880	4843	4875	4872	465
15°	4720	4709	4672	4693	4680	1332
25°	4390	4364	4324	4353	4350	2022
35°	3915	3865	3847	3913	3921	2449
45°	3325	3254	3306	3475	3536	2564
55°	2629	2558	2795	3072	3130	2347
65°	1856	1846	2225	2376	2397	1835
75°	1007	1176	1347	1289	1260	1072
85°	216	290	198	137	129	272
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4888.2	4888.2	4888.2	4888.2	4888.2
2.5°	4906.7	4893.5	4856.6	4888.2	4885.6
5°	4890.9	4880.3	4843.4	4875.1	4872.4
7.5°	4867.1	4856.6	4819.7	4851.3	4843.4
10°	4827.6	4819.7	4785.4	4809.1	4798.6
12.5°	4780.1	4772.2	4732.7	4759.0	4745.9
15°	4719.5	4709.0	4672.0	4693.1	4679.9
17.5°	4650.9	4637.8	4600.9	4621.9	4608.8
20°	4574.5	4556.0	4516.5	4545.5	4532.3
22.5°	4482.2	4469.0	4421.6	4453.2	4440.0
25°	4389.9	4363.6	4324.0	4353.0	4350.4
27.5°	4279.2	4252.8	4213.3	4247.5	4242.3
30°	4163.2	4134.2	4099.9	4134.2	4134.2
32.5°	4041.9	4005.0	3978.6	4018.2	4031.3
35°	3915.3	3865.2	3846.8	3912.7	3920.6
37.5°	3775.6	3725.5	3709.7	3796.7	3817.8
40°	3635.9	3572.6	3575.2	3686.0	3717.6
42.5°	3480.3	3417.0	3446.0	3575.2	3633.2
45°	3324.7	3253.6	3306.3	3475.0	3535.7
47.5°	3161.3	3092.7	3179.7	3377.5	3453.9
50°	2984.6	2916.1	3045.3	3285.2	3372.2
52.5°	2805.3	2734.1	2916.1	3190.3	3269.4
55°	2628.7	2557.5	2794.8	3071.6	3129.6
57.5°	2438.8	2378.2	2668.2	2916.1	2974.1
60°	2251.6	2198.9	2546.9	2757.9	2813.2
62.5°	2059.2	2019.6	2399.3	2575.9	2607.6
65°	1856.2	1845.6	2225.3	2375.6	2396.7
67.5°	1653.1	1679.5	2046.0	2143.5	2146.2
70°	1444.9	1516.0	1840.3	1882.5	1864.1
72.5°	1233.9	1357.8	1613.6	1592.5	1576.7
75°	1007.2	1175.9	1347.3	1289.3	1260.3
77.5°	801.5	991.4	1062.5	980.8	936.0
80°	598.5	783.1	777.8	672.3	648.6
82.5°	403.4	545.8	466.7	379.7	332.2
85°	216.2	290.0	197.7	137.1	129.2
87.5°	81.7	68.6	52.7	47.5	47.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)