

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-L835**

Issue Date: 3/3/2020



**Test Information**

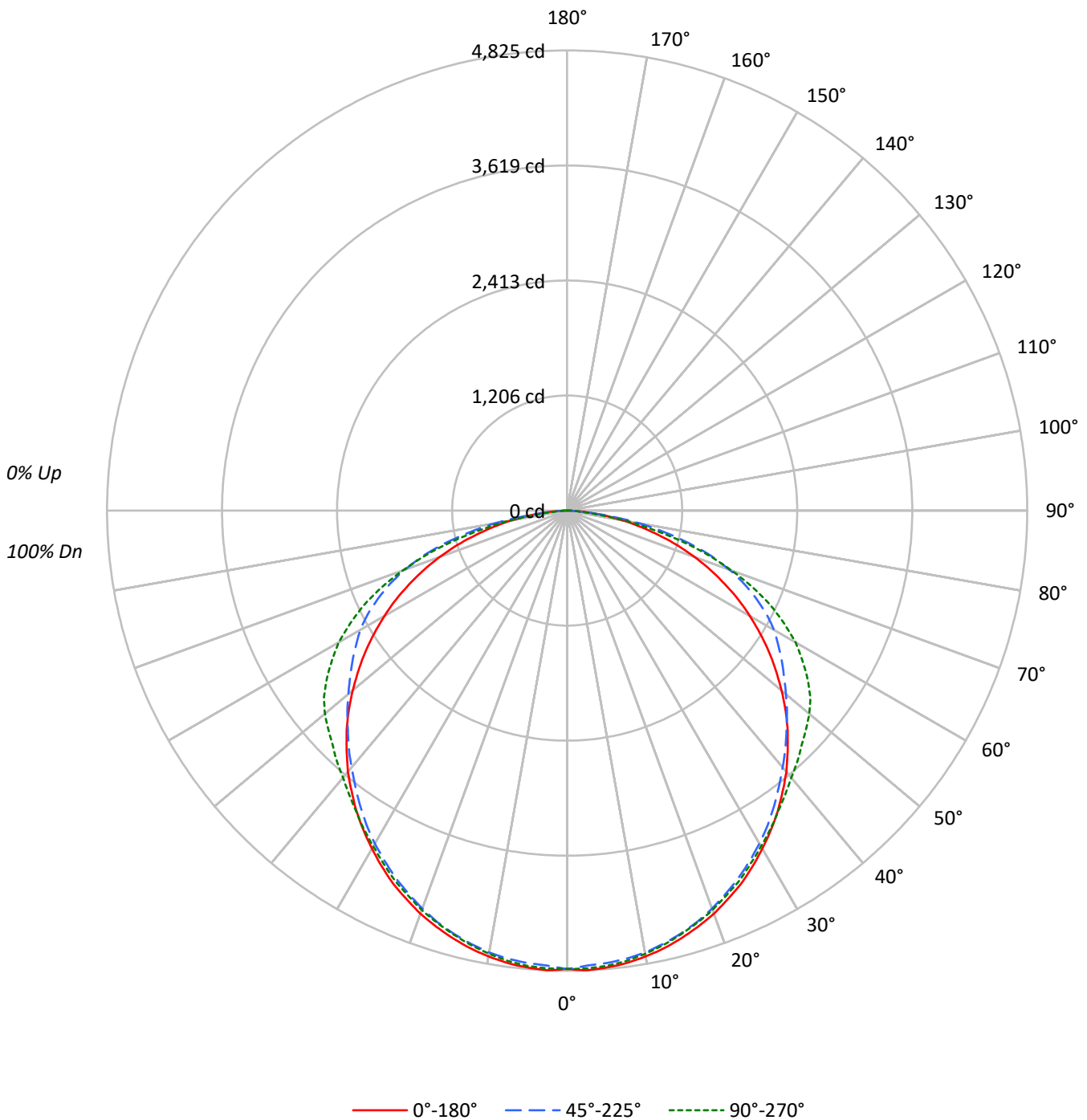
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8RSRK-TS-200-HE-L835  
Description: 8ft RSRK, 2000 LUMEN PER FOOT 80CRI 3500K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14798.6 lumens  
Efficiency: N/A  
Efficacy: 241.8 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	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°	6467	6467	6467
5°	6496	6433	6471
10°	6486	6429	6447
15°	6464	6399	6410
20°	6441	6359	6381
25°	6409	6312	6351
30°	6360	6263	6316
35°	6324	6213	6332
40°	6280	6175	6421
45°	6221	6186	6615
50°	6143	6268	6941
55°	6063	6447	7219
60°	5958	6740	7444
65°	5811	6967	7503
70°	5589	7119	7211
75°	5149	6887	6443
80°	4560	5926	4942
85°	3282	3001	1961



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	455.2	3.1
10°-20°	1302.7	8.8
20°-30°	1972.5	13.3
30°-40°	2392.4	16.2
40°-50°	2559.3	17.3
50°-60°	2480.6	16.8
60°-70°	2077.5	14.0
70°-80°	1276.6	8.6
80°-90°	281.9	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°	3730.3	25.2
0°-40°	6122.7	41.4
0°-60°	11162.6	75.4
0°-90°	14798.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14798.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4807	4807	4807	4807	4807	
5°	4809	4799	4763	4794	4791	457
15°	4641	4630	4594	4615	4602	1310
25°	4317	4291	4252	4280	4278	1988
35°	3850	3801	3783	3848	3855	2408
45°	3269	3199	3251	3417	3477	2521
55°	2585	2515	2748	3020	3077	2308
65°	1825	1815	2188	2336	2357	1805
75°	990	1156	1325	1268	1239	1054
85°	213	285	194	135	127	268
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4806.7	4806.7	4806.7	4806.7	4806.7
2.5°	4824.9	4811.9	4775.6	4806.7	4804.1
5°	4809.3	4799.0	4762.7	4793.8	4791.2
7.5°	4786.0	4775.6	4739.3	4770.4	4762.7
10°	4747.1	4739.3	4705.6	4729.0	4718.6
12.5°	4700.4	4692.7	4653.8	4679.7	4666.7
15°	4640.8	4630.4	4594.1	4614.9	4601.9
17.5°	4573.4	4560.4	4524.1	4544.9	4531.9
20°	4498.2	4480.1	4441.2	4469.7	4456.7
22.5°	4407.5	4394.5	4347.8	4378.9	4366.0
25°	4316.7	4290.8	4251.9	4280.4	4277.8
27.5°	4207.8	4181.9	4143.0	4176.7	4171.5
30°	4093.8	4065.2	4031.5	4065.2	4065.2
32.5°	3974.5	3938.2	3912.3	3951.2	3964.1
35°	3850.1	3800.8	3782.6	3847.5	3855.2
37.5°	3712.6	3663.4	3647.8	3733.4	3754.1
40°	3575.2	3513.0	3515.6	3624.5	3655.6
42.5°	3422.3	3360.0	3388.6	3515.6	3572.6
45°	3269.3	3199.3	3251.2	3417.1	3476.7
47.5°	3108.6	3041.2	3126.7	3321.2	3396.3
50°	2934.9	2867.4	2994.5	3230.4	3316.0
52.5°	2758.6	2688.6	2867.4	3137.1	3214.9
55°	2584.8	2514.8	2748.2	3020.4	3077.4
57.5°	2398.2	2338.5	2623.7	2867.4	2924.5
60°	2214.1	2162.3	2504.5	2711.9	2766.3
62.5°	2024.8	1986.0	2359.3	2533.0	2564.1
65°	1825.2	1814.8	2188.2	2336.0	2356.7
67.5°	1625.6	1651.5	2011.9	2107.8	2110.4
70°	1420.8	1490.8	1809.7	1851.1	1833.0
72.5°	1213.3	1335.2	1586.7	1565.9	1550.4
75°	990.4	1156.3	1324.8	1267.8	1239.3
77.5°	788.2	974.8	1044.8	964.5	920.4
80°	588.5	770.0	764.8	661.1	637.8
82.5°	396.7	536.7	458.9	373.3	326.7
85°	212.6	285.2	194.4	134.8	127.0
87.5°	80.4	67.4	51.9	46.7	46.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)