

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-TB-200-HE-L935**

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 (G3-1810-975-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8RSRK-TB-200-HE-L935
Description: 8ft RSRK, 2000 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

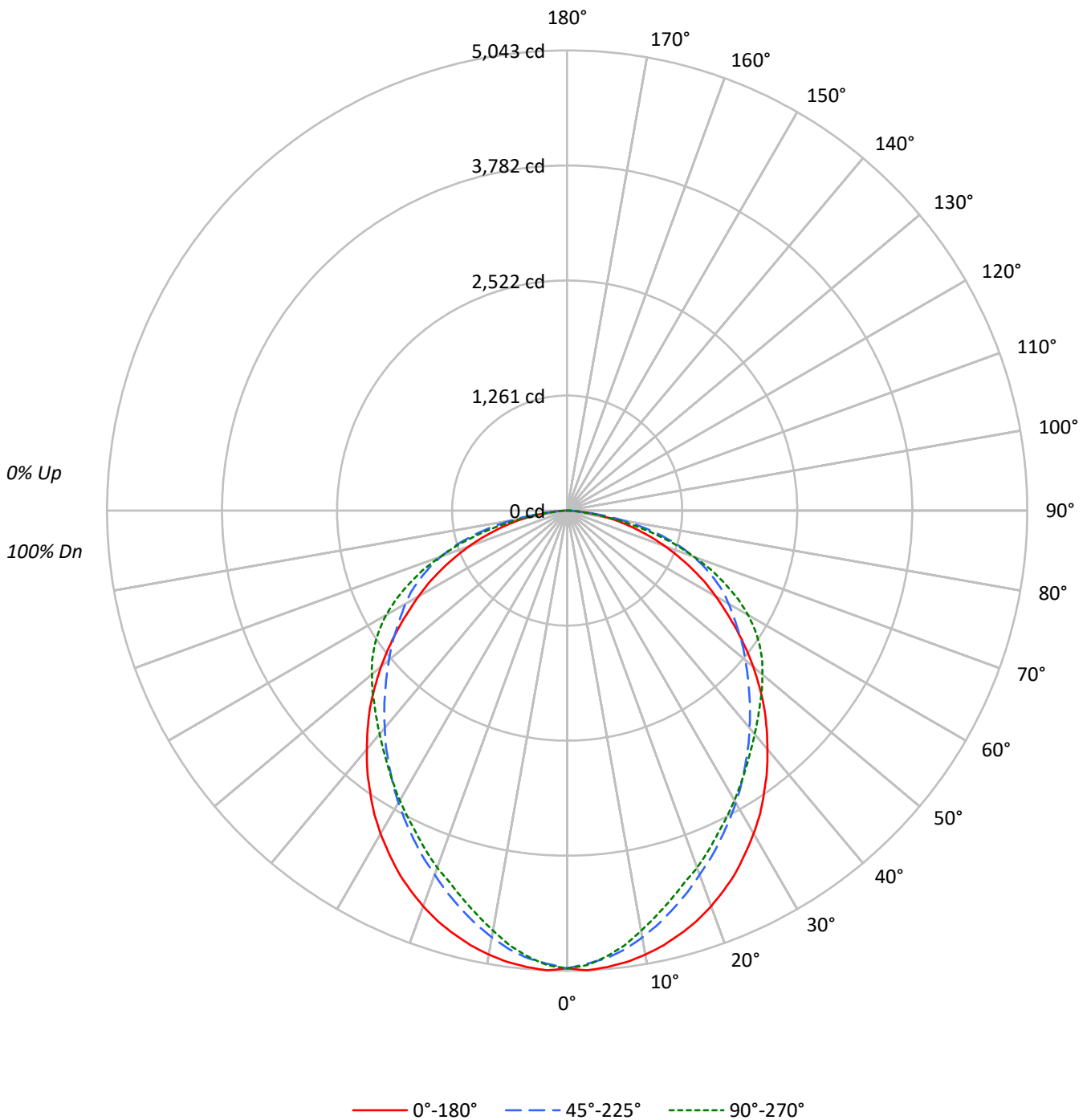
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13123.4 lumens
Efficiency: N/A
Efficacy: 214.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6750	6750	6750
5°	6782	6651	6628
10°	6750	6488	6387
15°	6689	6286	6139
20°	6606	6079	5963
25°	6496	5905	5797
30°	6352	5746	5700
35°	6184	5589	5622
40°	5997	5460	5614
45°	5812	5369	5689
50°	5574	5332	5847
55°	5309	5367	6045
60°	5059	5503	6165
65°	4812	5675	6111
70°	4497	5797	5810
75°	4036	5625	5204
80°	3532	4774	3866
85°	2652	2524	1632



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	467.6	3.6
10°-20°	1286.5	9.8
20°-30°	1871.6	14.3
30°-40°	2189.1	16.7
40°-50°	2250.1	17.1
50°-60°	2093.3	16.0
60°-70°	1702.8	13.0
70°-80°	1031.4	7.9
80°-90°	231.0	1.8
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°	3625.7	27.6
0°-40°	5814.8	44.3
0°-60°	10158.2	77.4
0°-90°	13123.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13123.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5017	5017	5017	5017	5017	
5°	5022	4992	4924	4934	4908	477
15°	4802	4700	4513	4445	4407	1354
25°	4376	4191	3978	3938	3905	2013
35°	3765	3565	3403	3424	3423	2355
45°	3054	2858	2821	2945	2990	2351
55°	2263	2139	2288	2521	2577	2025
65°	1512	1483	1782	1924	1920	1496
75°	776	923	1082	1034	1001	831
85°	172	236	164	119	106	210
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5016.7	5016.7	5016.7	5016.7	5016.7
2.5°	5043.2	5020.0	4970.5	4998.6	4987.0
5°	5021.7	4992.0	4924.2	4934.1	4907.7
7.5°	4990.3	4947.3	4849.9	4830.1	4806.9
10°	4940.7	4878.0	4749.1	4717.7	4674.8
12.5°	4879.6	4798.7	4636.8	4580.6	4541.0
15°	4802.0	4699.6	4512.9	4445.2	4407.2
17.5°	4717.7	4590.5	4384.1	4314.7	4275.0
20°	4613.7	4468.3	4245.3	4187.5	4164.4
22.5°	4498.0	4331.2	4116.5	4065.3	4038.8
25°	4375.8	4190.8	3977.7	3938.1	3905.0
27.5°	4232.1	4043.8	3837.3	3809.2	3786.1
30°	4088.4	3895.1	3698.5	3678.7	3668.8
32.5°	3936.4	3726.6	3553.2	3549.9	3544.9
35°	3764.6	3564.7	3402.9	3424.3	3422.7
37.5°	3597.8	3392.9	3260.8	3298.8	3307.0
40°	3414.4	3214.5	3108.8	3173.2	3196.4
42.5°	3234.4	3042.7	2966.8	3054.3	3092.3
45°	3054.3	2857.7	2821.4	2945.3	2989.9
47.5°	2857.7	2681.0	2684.3	2842.9	2895.7
50°	2662.8	2497.6	2547.2	2732.2	2793.3
52.5°	2461.3	2319.2	2423.3	2624.8	2694.2
55°	2263.1	2139.2	2287.8	2520.8	2576.9
57.5°	2064.8	1965.7	2163.9	2387.0	2443.1
60°	1879.8	1793.9	2045.0	2248.2	2291.1
62.5°	1703.1	1633.7	1927.7	2096.2	2117.7
65°	1511.5	1483.4	1782.4	1924.4	1919.5
67.5°	1323.1	1329.8	1633.7	1726.2	1717.9
70°	1143.1	1196.0	1473.5	1511.5	1476.8
72.5°	958.1	1057.2	1286.8	1283.5	1248.8
75°	776.4	923.4	1082.0	1034.1	1001.0
77.5°	619.5	779.7	859.0	792.9	740.0
80°	455.9	624.4	616.1	541.8	498.9
82.5°	299.0	434.4	381.6	307.2	287.4
85°	171.8	236.2	163.5	118.9	105.7
87.5°	72.7	62.8	41.3	38.0	34.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)