

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: **6RSRK-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: 6RSRK-TB-200-HE-L935
Description: 6ft RSRK, 2000 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

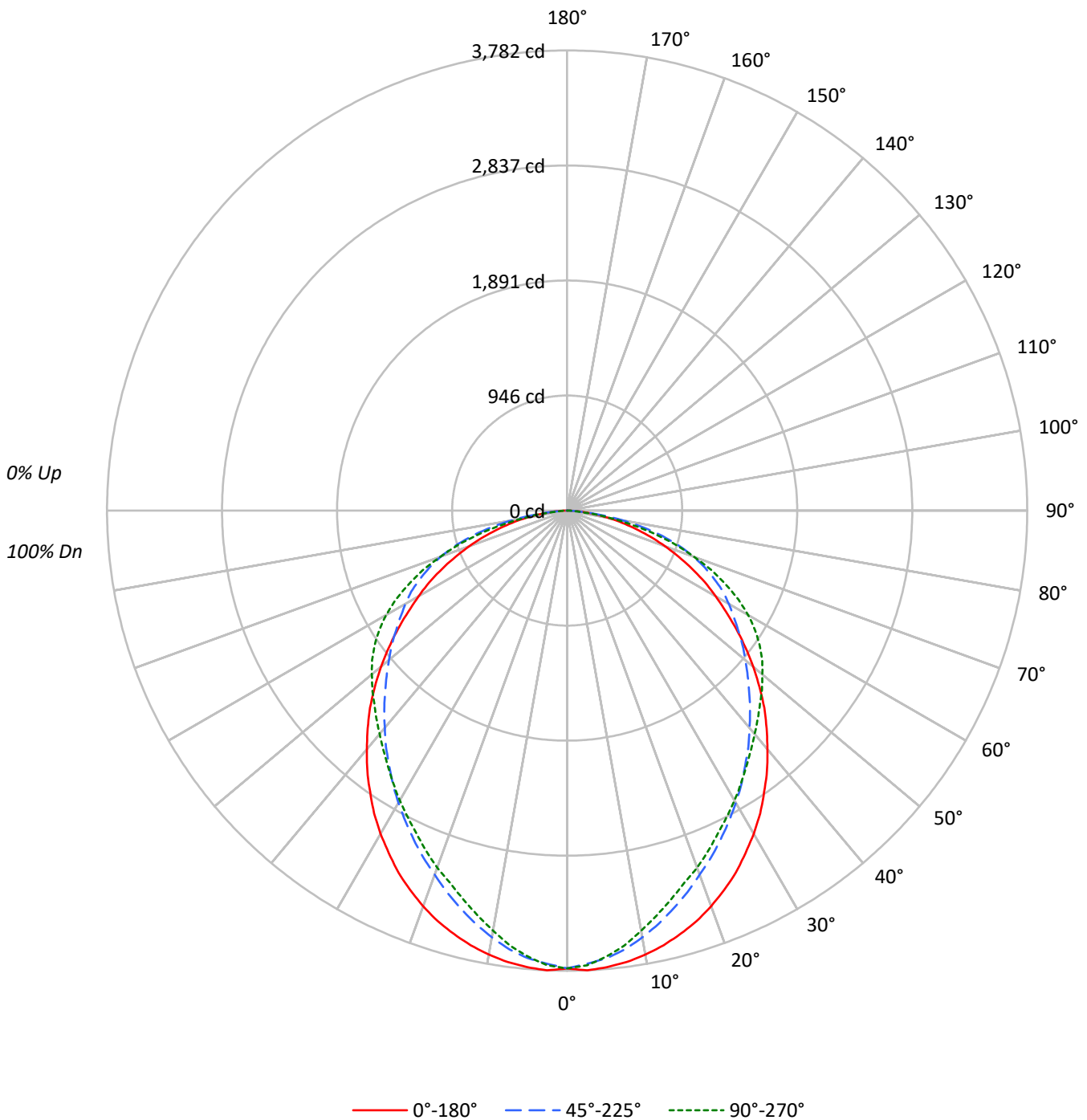
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9842.5 lumens
Efficiency: N/A
Efficacy: 160.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26
Luminous Opening: Rectangular (W 1' x L: 6' 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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83				83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69				69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58				58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49				49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43				43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37				37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33				33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30				30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27				27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24				24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6750	6750	6750
5°	6782	6651	6629
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	5368	5689
50°	5574	5332	5847
55°	5309	5367	6045
60°	5059	5503	6166
65°	4812	5675	6111
70°	4497	5797	5810
75°	4036	5625	5204
80°	3532	4774	3865
85°	2651	2526	1632



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.7	3.6
10°-20°	964.9	9.8
20°-30°	1403.7	14.3
30°-40°	1641.8	16.7
40°-50°	1687.6	17.1
50°-60°	1570.0	16.0
60°-70°	1277.1	13.0
70°-80°	773.5	7.9
80°-90°	173.3	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°	2719.3	27.6
0°-40°	4361.1	44.3
0°-60°	7618.7	77.4
0°-90°	9842.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9842.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3762	3762	3762	3762	3762	
5°	3766	3744	3693	3701	3681	358
15°	3602	3525	3385	3334	3305	1016
25°	3282	3143	2983	2954	2929	1510
35°	2824	2674	2552	2568	2567	1767
45°	2291	2143	2116	2209	2242	1763
55°	1697	1604	1716	1891	1933	1519
65°	1134	1112	1337	1443	1440	1122
75°	582	692	812	776	751	624
85°	129	177	123	89	79	157
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3762.5	3762.5	3762.5	3762.5	3762.5
2.5°	3782.4	3765.0	3727.9	3748.9	3740.2
5°	3766.3	3744.0	3693.2	3700.6	3680.8
7.5°	3742.7	3710.5	3637.4	3622.6	3605.2
10°	3705.6	3658.5	3561.8	3538.3	3506.1
12.5°	3659.7	3599.0	3477.6	3435.5	3405.7
15°	3601.5	3524.7	3384.7	3333.9	3305.4
17.5°	3538.3	3442.9	3288.0	3236.0	3206.3
20°	3460.3	3351.2	3184.0	3140.6	3123.3
22.5°	3373.5	3248.4	3087.3	3048.9	3029.1
25°	3281.9	3143.1	2983.3	2953.5	2928.8
27.5°	3174.1	3032.8	2878.0	2856.9	2839.6
30°	3066.3	2921.3	2773.9	2759.0	2751.6
32.5°	2952.3	2795.0	2664.9	2662.4	2658.7
35°	2823.5	2673.6	2552.1	2568.2	2567.0
37.5°	2698.3	2544.7	2445.6	2474.1	2480.3
40°	2560.8	2410.9	2331.6	2379.9	2397.3
42.5°	2425.8	2282.1	2225.1	2290.7	2319.2
45°	2290.7	2143.3	2116.0	2209.0	2242.4
47.5°	2143.3	2010.7	2013.2	2132.2	2171.8
50°	1997.1	1873.2	1910.4	2049.1	2095.0
52.5°	1846.0	1739.4	1817.5	1968.6	2020.6
55°	1697.3	1604.4	1715.9	1890.6	1932.7
57.5°	1548.6	1474.3	1623.0	1790.2	1832.3
60°	1409.9	1345.4	1533.8	1686.1	1718.4
62.5°	1277.3	1225.3	1445.8	1572.2	1588.3
65°	1133.6	1112.5	1336.8	1443.3	1439.6
67.5°	992.4	997.3	1225.3	1294.7	1288.5
70°	857.3	897.0	1105.1	1133.6	1107.6
72.5°	718.6	792.9	965.1	962.6	936.6
75°	582.3	692.5	811.5	775.6	750.8
77.5°	464.6	584.8	644.2	594.7	555.0
80°	341.9	468.3	462.1	406.4	374.1
82.5°	224.2	325.8	286.2	230.4	215.6
85°	128.8	177.2	122.7	89.2	79.3
87.5°	54.5	47.1	31.0	28.5	26.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)