

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-50-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-50-HE-L935
Description: 6ft RSRK, 500 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

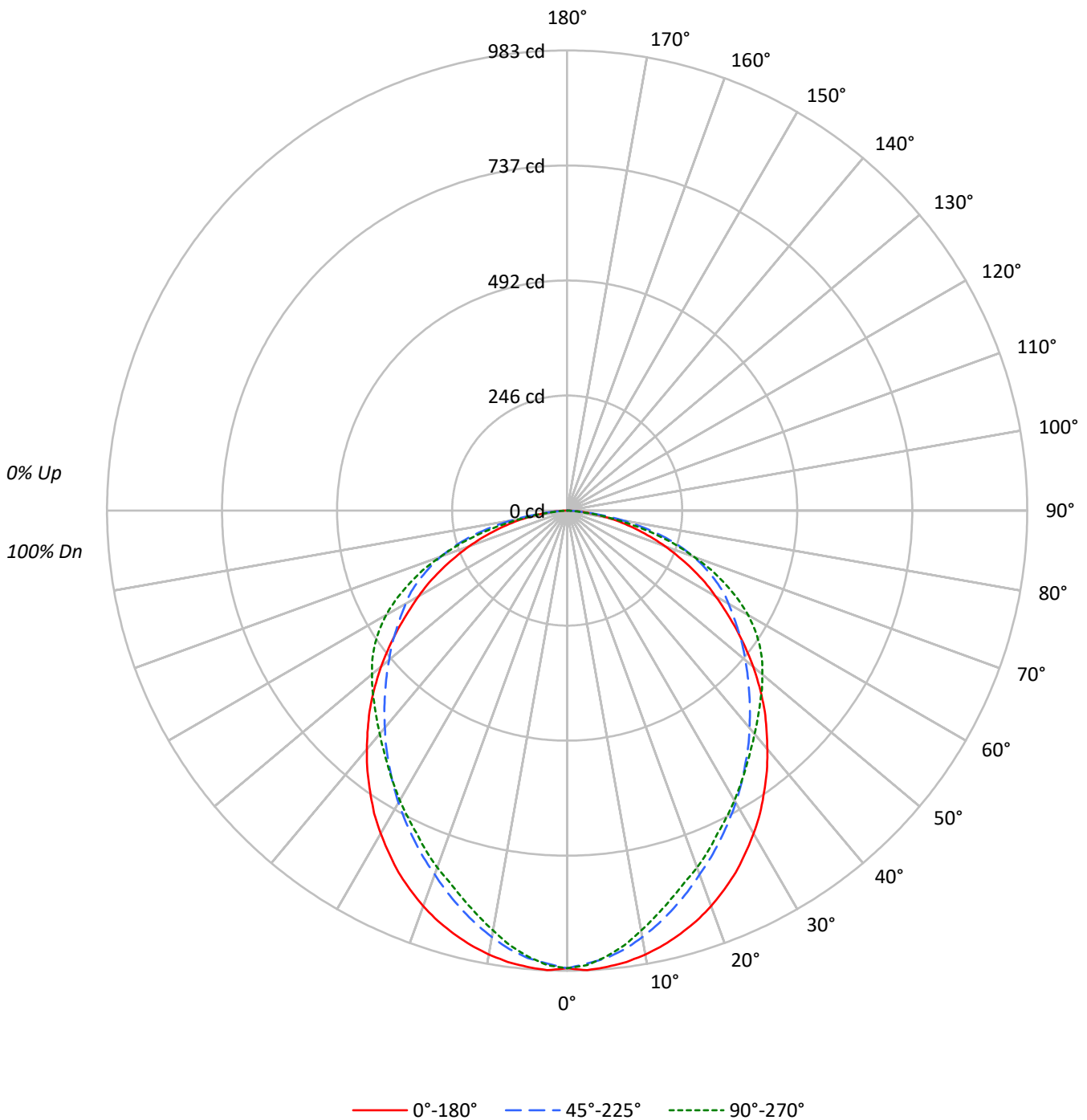
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2557.3 lumens
Efficiency: N/A
Efficacy: 178.8 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): 14.3
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°	1754	1754	1754
5°	1762	1728	1722
10°	1754	1686	1659
15°	1738	1633	1595
20°	1716	1579	1549
25°	1688	1534	1506
30°	1650	1493	1481
35°	1607	1452	1461
40°	1558	1419	1459
45°	1510	1395	1478
50°	1448	1385	1519
55°	1379	1394	1570
60°	1314	1430	1602
65°	1250	1474	1588
70°	1168	1506	1510
75°	1049	1461	1352
80°	917	1241	1004
85°	690	657	424



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.1	3.6
10°-20°	250.7	9.8
20°-30°	364.7	14.3
30°-40°	426.6	16.7
40°-50°	438.5	17.1
50°-60°	407.9	16.0
60°-70°	331.8	13.0
70°-80°	201.0	7.9
80°-90°	45.0	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°	706.5	27.6
0°-40°	1133.1	44.3
0°-60°	1979.5	77.4
0°-90°	2557.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2557.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	978	978	978	978	978	
5°	978	973	960	962	956	93
15°	936	916	879	866	859	264
25°	853	817	775	767	761	392
35°	734	695	663	667	667	459
45°	595	557	550	574	583	458
55°	441	417	446	491	502	395
65°	294	289	347	375	374	292
75°	151	180	211	202	195	162
85°	34	46	32	23	21	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	977.6	977.6	977.6	977.6	977.6
2.5°	982.7	978.2	968.6	974.0	971.8
5°	978.5	972.8	959.6	961.5	956.3
7.5°	972.4	964.1	945.1	941.2	936.7
10°	962.8	950.5	925.4	919.3	910.9
12.5°	950.9	935.1	903.5	892.6	884.9
15°	935.7	915.8	879.4	866.2	858.8
17.5°	919.3	894.5	854.3	840.8	833.1
20°	899.0	870.7	827.3	816.0	811.5
22.5°	876.5	844.0	802.1	792.2	787.0
25°	852.7	816.6	775.1	767.4	760.9
27.5°	824.7	788.0	747.8	742.3	737.8
30°	796.7	759.0	720.7	716.8	714.9
32.5°	767.1	726.2	692.4	691.7	690.8
35°	733.6	694.6	663.1	667.3	667.0
37.5°	701.1	661.2	635.4	642.8	644.4
40°	665.3	626.4	605.8	618.4	622.9
42.5°	630.3	592.9	578.1	595.2	602.6
45°	595.2	556.9	549.8	573.9	582.6
47.5°	556.9	522.4	523.1	554.0	564.3
50°	518.9	486.7	496.4	532.4	544.3
52.5°	479.6	451.9	472.2	511.5	525.0
55°	441.0	416.8	445.8	491.2	502.1
57.5°	402.4	383.0	421.7	465.1	476.1
60°	366.3	349.6	398.5	438.1	446.5
62.5°	331.9	318.3	375.6	408.5	412.7
65°	294.5	289.1	347.3	375.0	374.0
67.5°	257.8	259.1	318.3	336.4	334.8
70°	222.7	233.0	287.1	294.5	287.8
72.5°	186.7	206.0	250.8	250.1	243.3
75°	151.3	179.9	210.8	201.5	195.1
77.5°	120.7	151.9	167.4	154.5	144.2
80°	88.8	121.7	120.1	105.6	97.2
82.5°	58.3	84.7	74.4	59.9	56.0
85°	33.5	46.0	31.9	23.2	20.6
87.5°	14.2	12.2	8.0	7.4	6.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)