

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: **4RSRK-TB-150-HE-L930**

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: 4RSRK-TB-150-HE-L930
Description: 4ft RSRK, 1500 LUMEN PER FOOT 90CRI 3000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

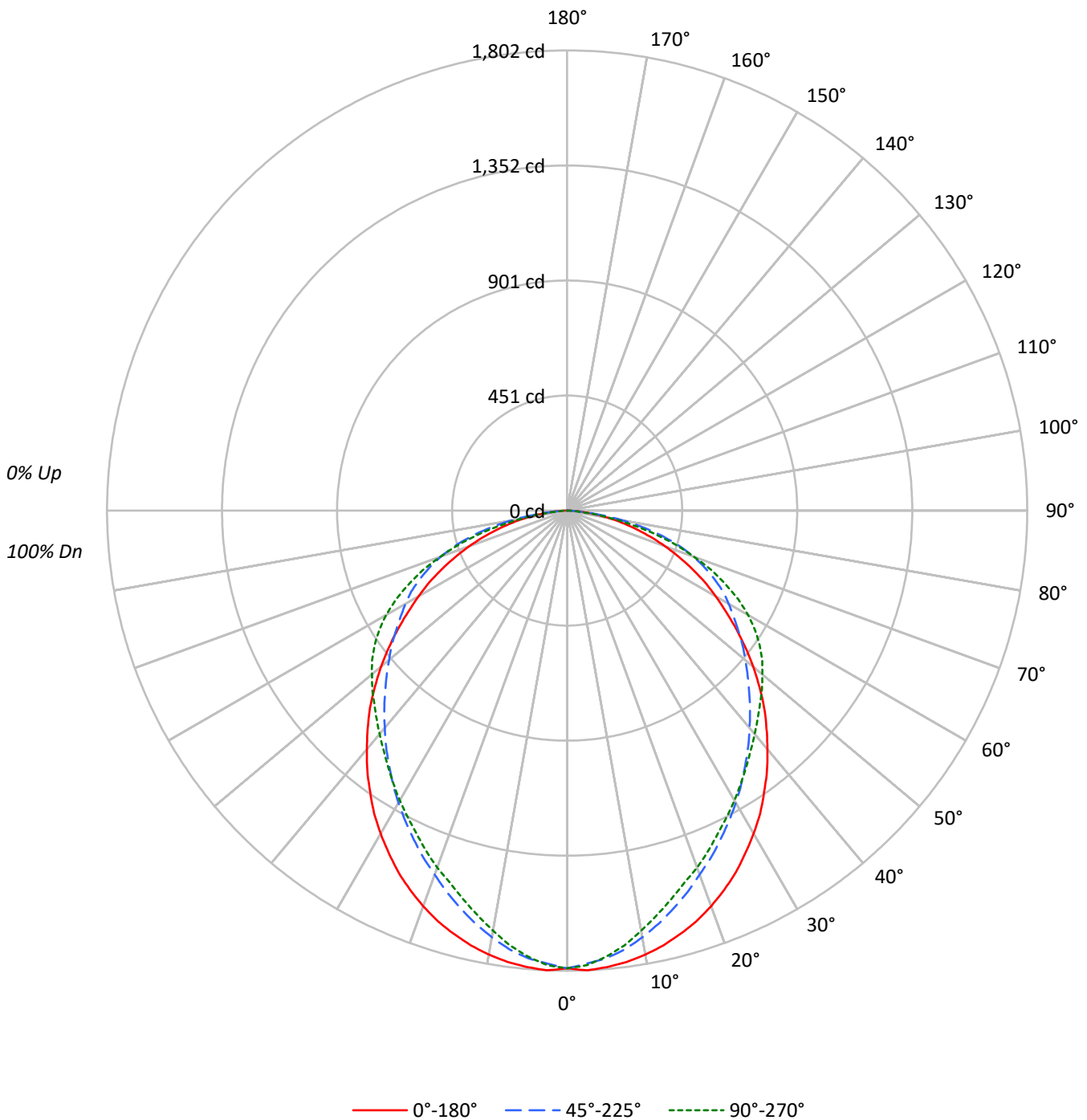
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4689.1 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 44.2
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	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°	4824	4824	4824
5°	4847	4753	4737
10°	4824	4637	4564
15°	4780	4492	4387
20°	4721	4344	4261
25°	4642	4220	4143
30°	4539	4106	4073
35°	4419	3994	4018
40°	4286	3902	4012
45°	4153	3836	4066
50°	3983	3810	4178
55°	3794	3835	4320
60°	3615	3933	4406
65°	3439	4055	4367
70°	3213	4142	4152
75°	2884	4020	3719
80°	2524	3412	2763
85°	1896	1803	1167



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.1	3.6
10°-20°	459.7	9.8
20°-30°	668.8	14.3
30°-40°	782.2	16.7
40°-50°	804.0	17.1
50°-60°	748.0	16.0
60°-70°	608.4	13.0
70°-80°	368.5	7.9
80°-90°	82.5	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°	1295.5	27.6
0°-40°	2077.7	44.3
0°-60°	3629.7	77.4
0°-90°	4689.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4689.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1792	1792	1792	1792	1792	
5°	1794	1784	1760	1763	1754	170
15°	1716	1679	1612	1588	1575	484
25°	1564	1497	1421	1407	1395	719
35°	1345	1274	1216	1224	1223	842
45°	1091	1021	1008	1052	1068	840
55°	809	764	818	901	921	724
65°	540	530	637	688	686	535
75°	277	330	387	370	358	297
85°	61	84	58	42	38	75
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1792.5	1792.5	1792.5	1792.5	1792.5
2.5°	1802.0	1793.7	1776.0	1786.0	1781.9
5°	1794.3	1783.7	1759.5	1763.0	1753.6
7.5°	1783.1	1767.8	1732.9	1725.8	1717.6
10°	1765.4	1743.0	1696.9	1685.7	1670.4
12.5°	1743.6	1714.6	1656.8	1636.7	1622.6
15°	1715.8	1679.2	1612.5	1588.3	1574.7
17.5°	1685.7	1640.3	1566.5	1541.7	1527.5
20°	1648.5	1596.6	1516.9	1496.2	1488.0
22.5°	1607.2	1547.6	1470.9	1452.6	1443.1
25°	1563.5	1497.4	1421.3	1407.1	1395.3
27.5°	1512.2	1444.9	1371.1	1361.1	1352.8
30°	1460.8	1391.8	1321.5	1314.5	1310.9
32.5°	1406.5	1331.6	1269.6	1268.4	1266.6
35°	1345.1	1273.7	1215.9	1223.6	1223.0
37.5°	1285.5	1212.3	1165.1	1178.7	1181.6
40°	1220.0	1148.6	1110.8	1133.8	1142.1
42.5°	1155.7	1087.2	1060.1	1091.3	1104.9
45°	1091.3	1021.1	1008.1	1052.4	1068.3
47.5°	1021.1	958.0	959.1	1015.8	1034.7
50°	951.5	892.4	910.1	976.2	998.1
52.5°	879.4	828.7	865.9	937.9	962.7
55°	808.6	764.4	817.5	900.7	920.8
57.5°	737.8	702.4	773.2	852.9	873.0
60°	671.7	641.0	730.7	803.3	818.7
62.5°	608.5	583.7	688.8	749.0	756.7
65°	540.1	530.0	636.9	687.6	685.9
67.5°	472.8	475.1	583.7	616.8	613.8
70°	408.4	427.3	526.5	540.1	527.7
72.5°	342.3	377.8	459.8	458.6	446.2
75°	277.4	329.9	386.6	369.5	357.7
77.5°	221.3	278.6	306.9	283.3	264.4
80°	162.9	223.1	220.2	193.6	178.3
82.5°	106.8	155.2	136.3	109.8	102.7
85°	61.4	84.4	58.4	42.5	37.8
87.5°	26.0	22.4	14.8	13.6	12.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)