

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-TS-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 (G3-1810-975-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RSRK-TS-150-HE-L930
Description: 4ft RSRK, 1500 LUMEN PER FOOT 90CRI 3000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

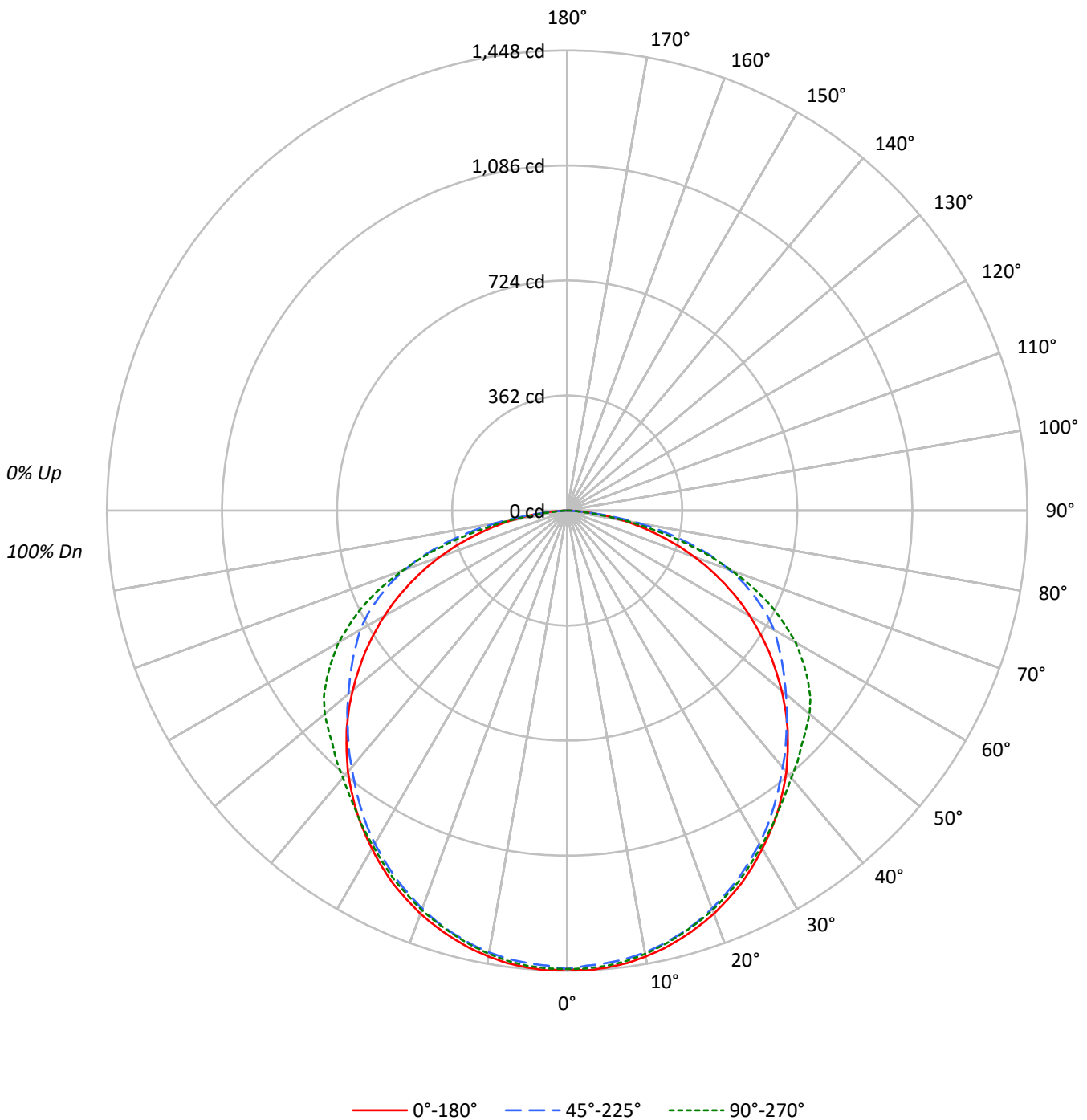
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4441.7 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	108	103	99	95	105	101	97	93	97	93	90		93	90	87		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	72		77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61		70	65	60		68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51		62	56	51		60	54	50	48
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38		50	43	38		49	42	38	36
7	63	50	41	34	62	49	40	34	47	39	34		46	39	34		44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30		42	35	30		41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27		39	32	27		37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25		36	29	24		35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3882	3882	3882
5°	3899	3861	3884
10°	3893	3859	3870
15°	3880	3841	3848
20°	3866	3817	3831
25°	3847	3789	3812
30°	3818	3760	3791
35°	3796	3730	3801
40°	3770	3707	3854
45°	3734	3714	3971
50°	3688	3763	4167
55°	3640	3870	4334
60°	3576	4046	4469
65°	3488	4182	4504
70°	3355	4274	4329
75°	3091	4134	3868
80°	2737	3558	2966
85°	1970	1803	1176



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.6	3.1
10°-20°	391.0	8.8
20°-30°	592.0	13.3
30°-40°	718.1	16.2
40°-50°	768.2	17.3
50°-60°	744.5	16.8
60°-70°	623.5	14.0
70°-80°	383.2	8.6
80°-90°	84.6	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°	1119.6	25.2
0°-40°	1837.7	41.4
0°-60°	3350.4	75.4
0°-90°	4441.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4441.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1443	1443	1443	1443	1443	
5°	1444	1440	1430	1439	1438	137
15°	1393	1390	1379	1385	1381	393
25°	1296	1288	1276	1285	1284	597
35°	1156	1141	1135	1155	1157	723
45°	981	960	976	1026	1044	757
55°	776	755	825	907	924	693
65°	548	545	657	701	707	542
75°	297	347	398	380	372	316
85°	64	86	58	40	38	80
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1442.7	1442.7	1442.7	1442.7	1442.7
2.5°	1448.2	1444.3	1433.4	1442.7	1441.9
5°	1443.5	1440.4	1429.5	1438.8	1438.0
7.5°	1436.5	1433.4	1422.5	1431.8	1429.5
10°	1424.8	1422.5	1412.4	1419.4	1416.2
12.5°	1410.8	1408.5	1396.8	1404.6	1400.7
15°	1392.9	1389.8	1378.9	1385.1	1381.2
17.5°	1372.7	1368.8	1357.9	1364.1	1360.2
20°	1350.1	1344.7	1333.0	1341.5	1337.7
22.5°	1322.9	1319.0	1305.0	1314.3	1310.4
25°	1295.6	1287.9	1276.2	1284.7	1284.0
27.5°	1263.0	1255.2	1243.5	1253.6	1252.1
30°	1228.7	1220.2	1210.0	1220.2	1220.2
32.5°	1192.9	1182.0	1174.2	1185.9	1189.8
35°	1155.6	1140.8	1135.3	1154.8	1157.1
37.5°	1114.3	1099.5	1094.9	1120.5	1126.8
40°	1073.1	1054.4	1055.2	1087.9	1097.2
42.5°	1027.2	1008.5	1017.1	1055.2	1072.3
45°	981.3	960.2	975.8	1025.6	1043.5
47.5°	933.0	912.8	938.5	996.8	1019.4
50°	880.9	860.6	898.8	969.6	995.3
52.5°	828.0	807.0	860.6	941.6	964.9
55°	775.8	754.8	824.8	906.6	923.7
57.5°	719.8	701.9	787.5	860.6	877.8
60°	664.5	649.0	751.7	814.0	830.3
62.5°	607.7	596.1	708.1	760.3	769.6
65°	547.8	544.7	656.8	701.1	707.3
67.5°	487.9	495.7	603.9	632.6	633.4
70°	426.4	447.4	543.2	555.6	550.2
72.5°	364.2	400.8	476.2	470.0	465.3
75°	297.3	347.1	397.6	380.5	372.0
77.5°	236.6	292.6	313.6	289.5	276.2
80°	176.6	231.1	229.6	198.4	191.4
82.5°	119.1	161.1	137.7	112.1	98.0
85°	63.8	85.6	58.4	40.5	38.1
87.5°	24.1	20.2	15.6	14.0	14.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)