

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-150-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 (G3-1811-041-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RSRK-150-HE-L935
Description: 4ft RSRK, 1500 LUMEN PER FOOT 90CRI 3500K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

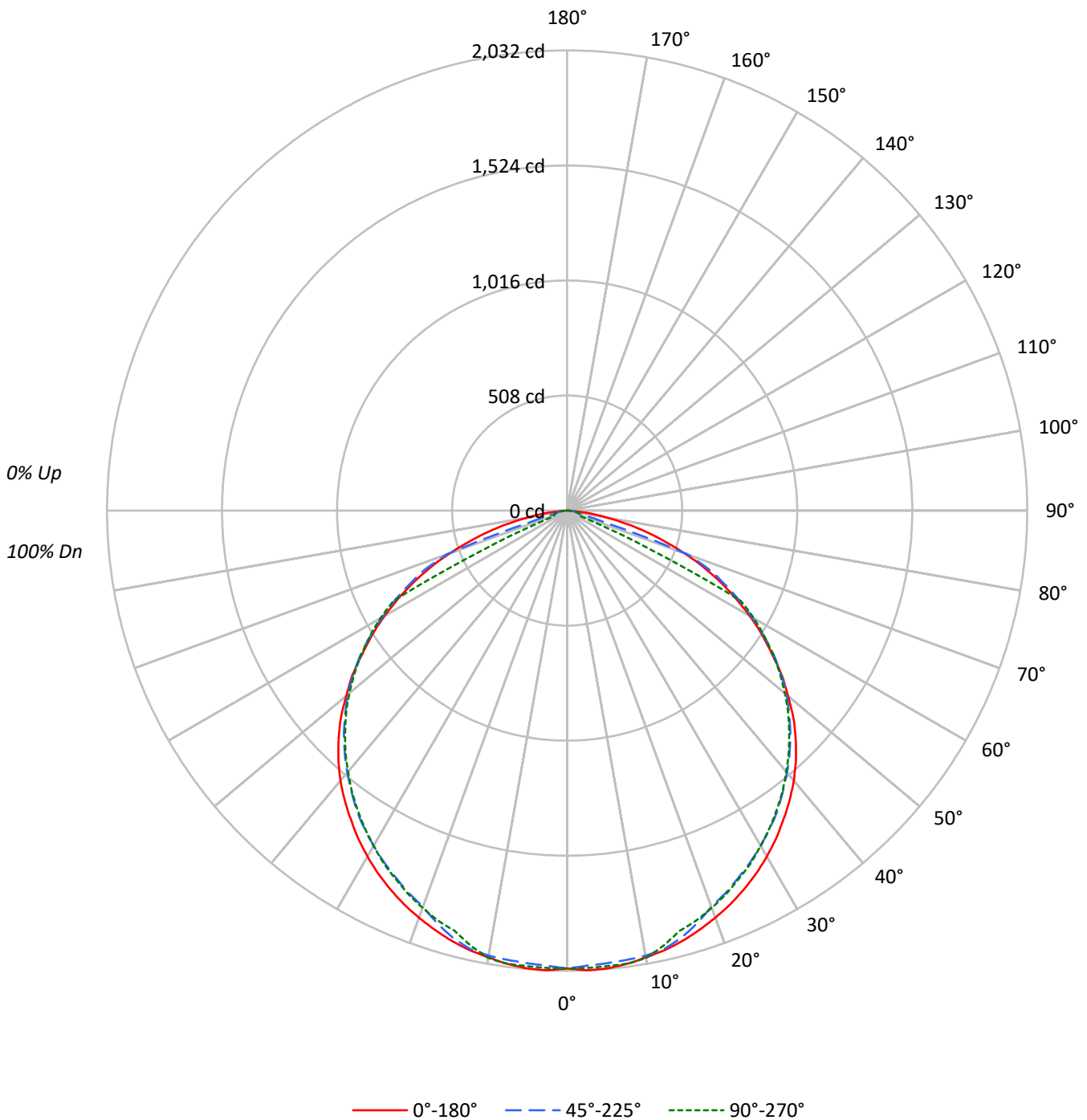
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5565.6 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
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	110	105	102	98	107	103	100	96	99	96	93		95	93	91		92	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81	78	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56		66	60	55		64	59	55	52
5	77	65	56	49	75	63	55	49	61	54	48		59	53	48		58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	37		49	42	37		47	41	37	35
8	61	48	39	34	60	47	39	34	46	39	33		45	38	33		43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27		38	32	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5440	5440	5440
5°	5482	5419	5454
10°	5475	5454	5482
15°	5481	5438	5352
20°	5479	5331	5346
25°	5482	5313	5328
30°	5480	5311	5311
35°	5471	5318	5301
40°	5469	5306	5288
45°	5434	5306	5276
50°	5329	5297	5254
55°	5185	5233	5209
60°	5017	5072	5127
65°	4751	4883	2581
70°	4347	4449	488
75°	3732	536	591
80°	2800	680	680
85°	1436	716	639



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.1	3.5
10°-20°	550.2	9.9
20°-30°	836.5	15.0
30°-40°	1018.9	18.3
40°-50°	1078.2	19.4
50°-60°	988.9	17.8
60°-70°	667.0	12.0
70°-80°	201.6	3.6
80°-90°	32.2	0.6
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°	1578.8	28.4
0°-40°	2597.7	46.7
0°-60°	4664.8	83.8
0°-90°	5565.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5565.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2022	2022	2022	2022	2022	
5°	2030	2014	2006	2024	2019	193
15°	1968	1957	1952	1936	1921	555
25°	1846	1844	1789	1807	1794	851
35°	1665	1629	1619	1624	1614	1043
45°	1428	1394	1394	1397	1386	1099
55°	1105	1090	1115	1115	1110	989
65°	746	736	767	777	405	737
75°	359	362	52	57	57	380
85°	46	23	23	21	21	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2021.7	2021.7	2021.7	2021.7	2021.7
2.5°	2032.1	2016.5	2011.4	2024.3	2021.7
5°	2029.5	2014.0	2006.2	2024.3	2019.1
7.5°	2019.1	2003.6	2001.1	2021.7	2019.1
10°	2003.6	1993.3	1995.9	2014.0	2006.2
12.5°	1988.1	1977.8	1983.0	1977.8	1967.5
15°	1967.5	1957.2	1952.0	1936.5	1921.0
17.5°	1941.7	1936.5	1910.7	1905.5	1897.8
20°	1913.2	1913.2	1861.6	1877.1	1866.8
22.5°	1882.2	1882.2	1828.1	1843.5	1833.2
25°	1846.2	1843.5	1789.3	1807.4	1794.5
27.5°	1807.4	1794.5	1750.6	1766.1	1755.8
30°	1763.5	1740.3	1709.3	1719.6	1709.3
32.5°	1717.0	1683.5	1665.4	1673.1	1662.8
35°	1665.4	1629.3	1618.9	1624.0	1613.7
37.5°	1613.7	1575.0	1564.7	1572.4	1562.1
40°	1557.0	1520.8	1510.4	1515.7	1505.3
42.5°	1495.0	1464.0	1453.7	1456.2	1448.5
45°	1427.8	1394.3	1394.3	1396.8	1386.5
47.5°	1355.5	1327.1	1329.8	1332.3	1324.5
50°	1272.9	1252.2	1265.2	1267.8	1254.9
52.5°	1195.5	1174.8	1190.3	1195.5	1185.2
55°	1105.1	1089.6	1115.4	1115.4	1110.3
57.5°	1019.9	1004.4	1030.2	1040.6	1032.8
60°	932.1	916.6	942.4	960.5	952.7
62.5°	839.1	826.2	857.2	880.4	865.0
65°	746.2	735.8	766.8	777.2	405.3
67.5°	650.7	642.9	679.1	245.3	64.5
70°	552.5	544.8	565.5	62.0	62.0
72.5°	451.9	454.4	180.7	59.4	59.4
75°	358.9	361.5	51.6	56.8	56.8
77.5°	266.0	271.1	49.1	51.6	51.6
80°	180.7	131.7	43.9	43.9	43.9
82.5°	108.4	31.0	33.5	33.5	31.0
85°	46.5	23.2	23.2	20.7	20.7
87.5°	15.5	10.3	10.3	7.8	7.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)