

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-L835**

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-L835
Description: 4ft RSRK, 1500 LUMEN PER FOOT 80CRI 3500K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

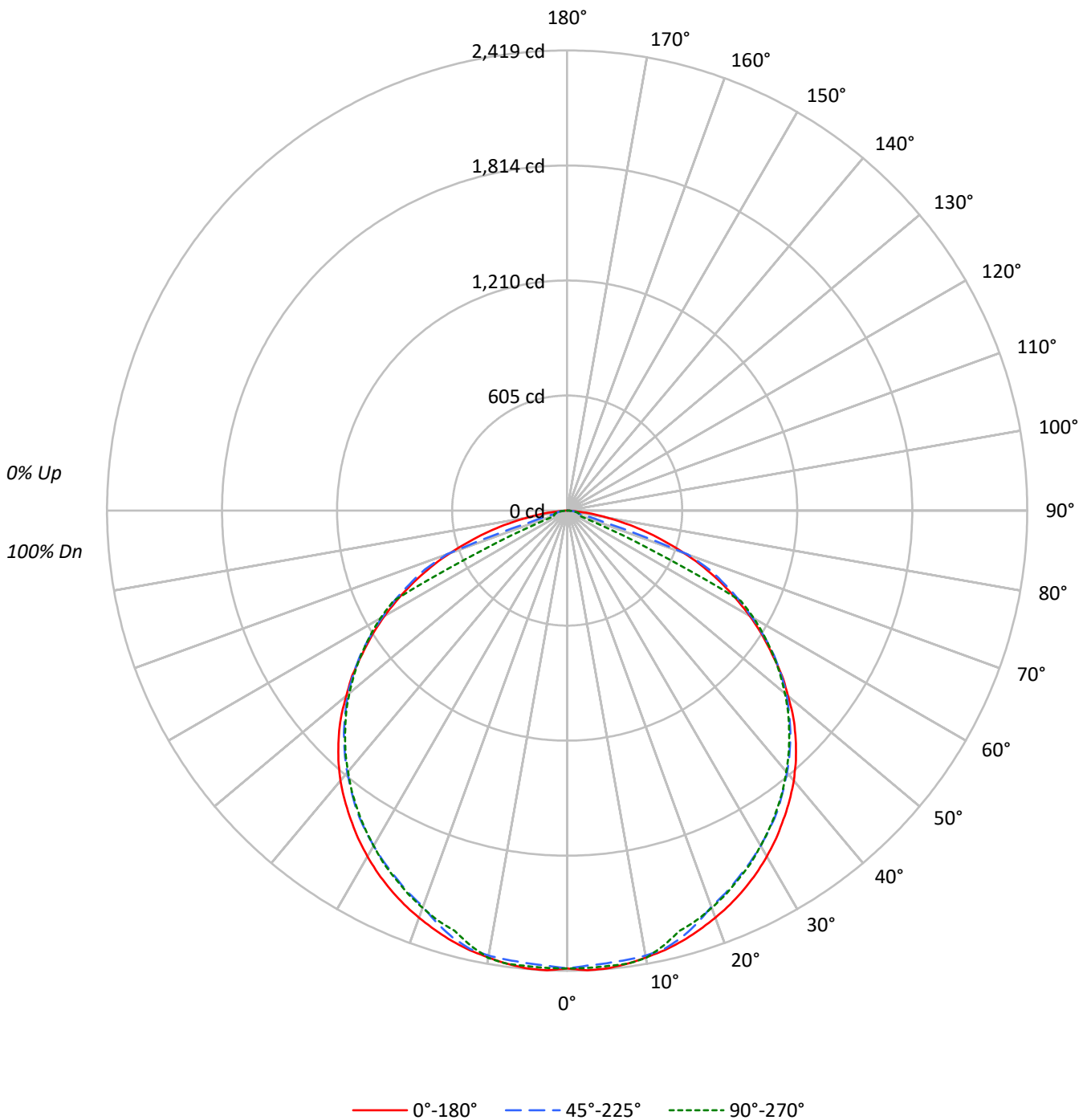
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6625.8 lumens
Efficiency: N/A
Efficacy: 149.9 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°	6477	6477	6477
5°	6526	6451	6493
10°	6518	6492	6526
15°	6525	6474	6371
20°	6523	6346	6364
25°	6526	6325	6343
30°	6523	6323	6323
35°	6513	6331	6311
40°	6511	6316	6295
45°	6469	6317	6282
50°	6344	6306	6254
55°	6172	6230	6201
60°	5972	6038	6104
65°	5656	5813	3073
70°	5176	5297	581
75°	4443	639	703
80°	3335	809	809
85°	1707	852	760



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.7	3.5
10°-20°	655.0	9.9
20°-30°	995.8	15.0
30°-40°	1213.0	18.3
40°-50°	1283.5	19.4
50°-60°	1177.3	17.8
60°-70°	794.1	12.0
70°-80°	240.0	3.6
80°-90°	38.4	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°	1879.5	28.4
0°-40°	3092.5	46.7
0°-60°	5553.3	83.8
0°-90°	6625.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6625.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2407	2407	2407	2407	2407	
5°	2416	2398	2388	2410	2404	230
15°	2342	2330	2324	2305	2287	661
25°	2198	2195	2130	2152	2136	1013
35°	1983	1940	1927	1933	1921	1241
45°	1700	1660	1660	1663	1651	1309
55°	1316	1297	1328	1328	1322	1177
65°	888	876	913	925	483	877
75°	427	430	62	68	68	453
85°	55	28	28	25	25	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2406.8	2406.8	2406.8	2406.8	2406.8
2.5°	2419.1	2400.6	2394.5	2409.9	2406.8
5°	2416.0	2397.6	2388.3	2409.9	2403.7
7.5°	2403.7	2385.3	2382.2	2406.8	2403.7
10°	2385.3	2373.0	2376.0	2397.6	2388.3
12.5°	2366.8	2354.5	2360.7	2354.5	2342.2
15°	2342.2	2329.9	2323.8	2305.4	2286.9
17.5°	2311.5	2305.4	2274.6	2268.5	2259.3
20°	2277.7	2277.7	2216.2	2234.7	2222.4
22.5°	2240.8	2240.8	2176.3	2194.7	2182.4
25°	2197.8	2194.7	2130.1	2151.7	2136.3
27.5°	2151.7	2136.3	2084.0	2102.5	2090.2
30°	2099.4	2071.7	2034.9	2047.2	2034.9
32.5°	2044.0	2004.1	1982.6	1991.8	1979.5
35°	1982.6	1939.6	1927.3	1933.4	1921.1
37.5°	1921.1	1875.0	1862.7	1871.9	1859.6
40°	1853.5	1810.4	1798.1	1804.4	1792.1
42.5°	1779.8	1742.9	1730.6	1733.6	1724.4
45°	1699.8	1659.9	1659.9	1662.9	1650.6
47.5°	1613.7	1579.9	1583.0	1586.1	1576.8
50°	1515.4	1490.8	1506.2	1509.3	1493.9
52.5°	1423.2	1398.6	1417.0	1423.2	1410.9
55°	1315.6	1297.1	1327.9	1327.9	1321.7
57.5°	1214.2	1195.7	1226.5	1238.8	1229.5
60°	1109.6	1091.2	1121.9	1143.5	1134.2
62.5°	999.0	983.6	1020.5	1048.1	1029.8
65°	888.3	876.0	912.9	925.2	482.6
67.5°	774.6	765.3	808.4	292.0	76.8
70°	657.8	648.6	673.2	73.8	73.8
72.5°	538.0	541.0	215.2	70.7	70.7
75°	427.3	430.3	61.5	67.6	67.6
77.5°	316.6	322.7	58.4	61.5	61.5
80°	215.2	156.8	52.2	52.2	52.2
82.5°	129.1	36.9	39.9	39.9	36.9
85°	55.3	27.6	27.6	24.6	24.6
87.5°	18.4	12.3	12.3	9.3	9.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)