

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: **8RSRK-150-HE-L935**

Issue Date: 3/3/2020



**Test Information**

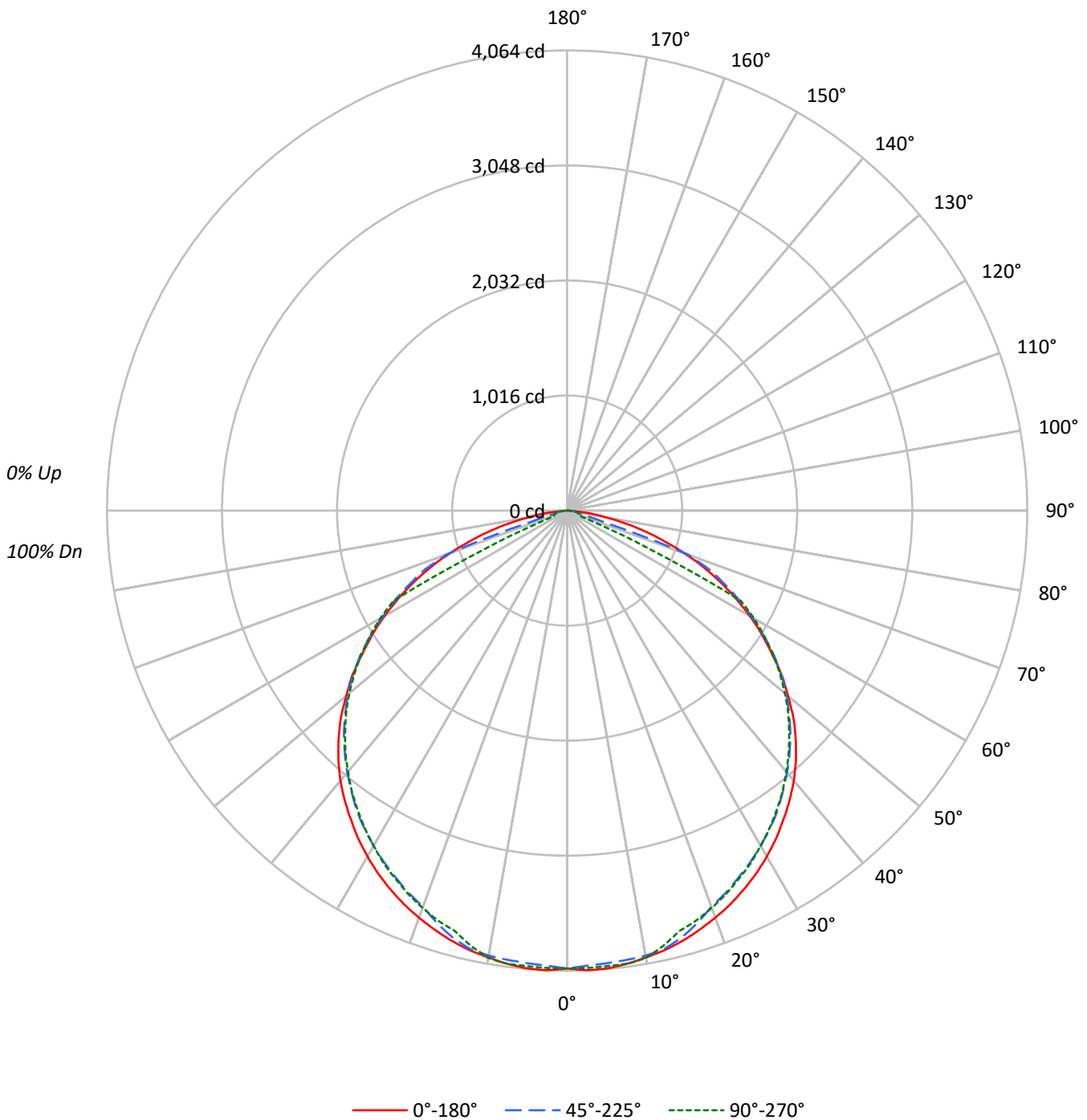
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1811-041-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8RSRK-150-HE-L935  
Description: 8ft RSRK, 1500 LUMEN PER FOOT 90CRI 3500K CCT WITH NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11131.4 lumens  
Efficiency: N/A  
Efficacy: 251.8 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4  
Luminous Opening: Rectangular (W 1' x L: 8' 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	5253
55°	5185	5233	5209
60°	5016	5072	5128
65°	4751	4883	2581
70°	4347	4449	487
75°	3732	537	591
80°	2801	680	680
85°	1436	716	638



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	384.1	3.5
10°-20°	1100.5	9.9
20°-30°	1672.9	15.0
30°-40°	2037.8	18.3
40°-50°	2156.3	19.4
50°-60°	1977.9	17.8
60°-70°	1334.1	12.0
70°-80°	403.2	3.6
80°-90°	64.5	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°	3157.5	28.4
0°-40°	5195.3	46.7
0°-60°	9329.5	83.8
0°-90°	11131.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11131.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4044	4044	4044	4044	4044	
5°	4059	4028	4012	4049	4038	386
15°	3935	3914	3904	3873	3842	1111
25°	3692	3687	3579	3615	3589	1703
35°	3331	3258	3238	3248	3227	2086
45°	2856	2789	2789	2794	2773	2199
55°	2210	2179	2231	2231	2220	1978
65°	1492	1472	1534	1554	811	1473
75°	718	723	103	114	114	761
85°	93	46	46	41	41	142
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4043.5	4043.5	4043.5	4043.5	4043.5
2.5°	4064.1	4033.0	4022.8	4048.6	4043.5
5°	4058.9	4027.9	4012.4	4048.6	4038.2
7.5°	4038.2	4007.3	4002.2	4043.5	4038.2
10°	4007.3	3986.6	3991.7	4027.9	4012.4
12.5°	3976.3	3955.6	3965.9	3955.6	3935.0
15°	3935.0	3914.3	3904.0	3873.0	3842.0
17.5°	3883.3	3873.0	3821.4	3811.0	3795.6
20°	3826.5	3826.5	3723.2	3754.3	3733.6
22.5°	3764.5	3764.5	3656.1	3687.1	3666.4
25°	3692.3	3687.1	3578.6	3614.8	3589.0
27.5°	3614.8	3589.0	3501.2	3532.2	3511.5
30°	3527.1	3480.5	3418.6	3439.2	3418.6
32.5°	3434.0	3366.9	3330.7	3346.3	3325.6
35°	3330.7	3258.5	3237.9	3248.1	3227.4
37.5°	3227.4	3150.0	3129.4	3144.8	3124.2
40°	3114.0	3041.5	3020.9	3031.3	3010.7
42.5°	2990.0	2928.0	2907.4	2912.5	2896.9
45°	2855.6	2788.6	2788.6	2793.7	2773.0
47.5°	2711.0	2654.3	2659.5	2664.6	2649.1
50°	2545.8	2504.5	2530.4	2535.6	2509.7
52.5°	2391.0	2349.7	2380.5	2391.0	2370.3
55°	2210.2	2179.2	2230.8	2230.8	2220.5
57.5°	2039.8	2008.7	2060.5	2081.2	2065.6
60°	1864.1	1833.3	1884.8	1921.0	1905.5
62.5°	1678.2	1652.5	1714.4	1760.9	1730.0
65°	1492.3	1471.7	1533.6	1554.3	810.7
67.5°	1301.3	1285.8	1358.2	490.6	129.0
70°	1105.1	1089.7	1131.0	123.9	123.9
72.5°	903.8	908.9	361.5	118.8	118.8
75°	717.9	723.0	103.3	113.6	113.6
77.5°	532.0	542.2	98.2	103.3	103.3
80°	361.5	263.4	87.7	87.7	87.7
82.5°	216.9	62.0	67.1	67.1	62.0
85°	93.0	46.4	46.4	41.3	41.3
87.5°	31.0	20.7	20.7	15.6	15.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)