

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: P289498

Luminaire Tested: **4RSRK-RM-150-HE-L935**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P289498  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-8)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4RSRK-RM-150-HE-L935  
Description: 4ft RSRK, 1500 LUMEN PER FOOT 90CRI 3500K CCT WITH ROUND MEDIUM LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

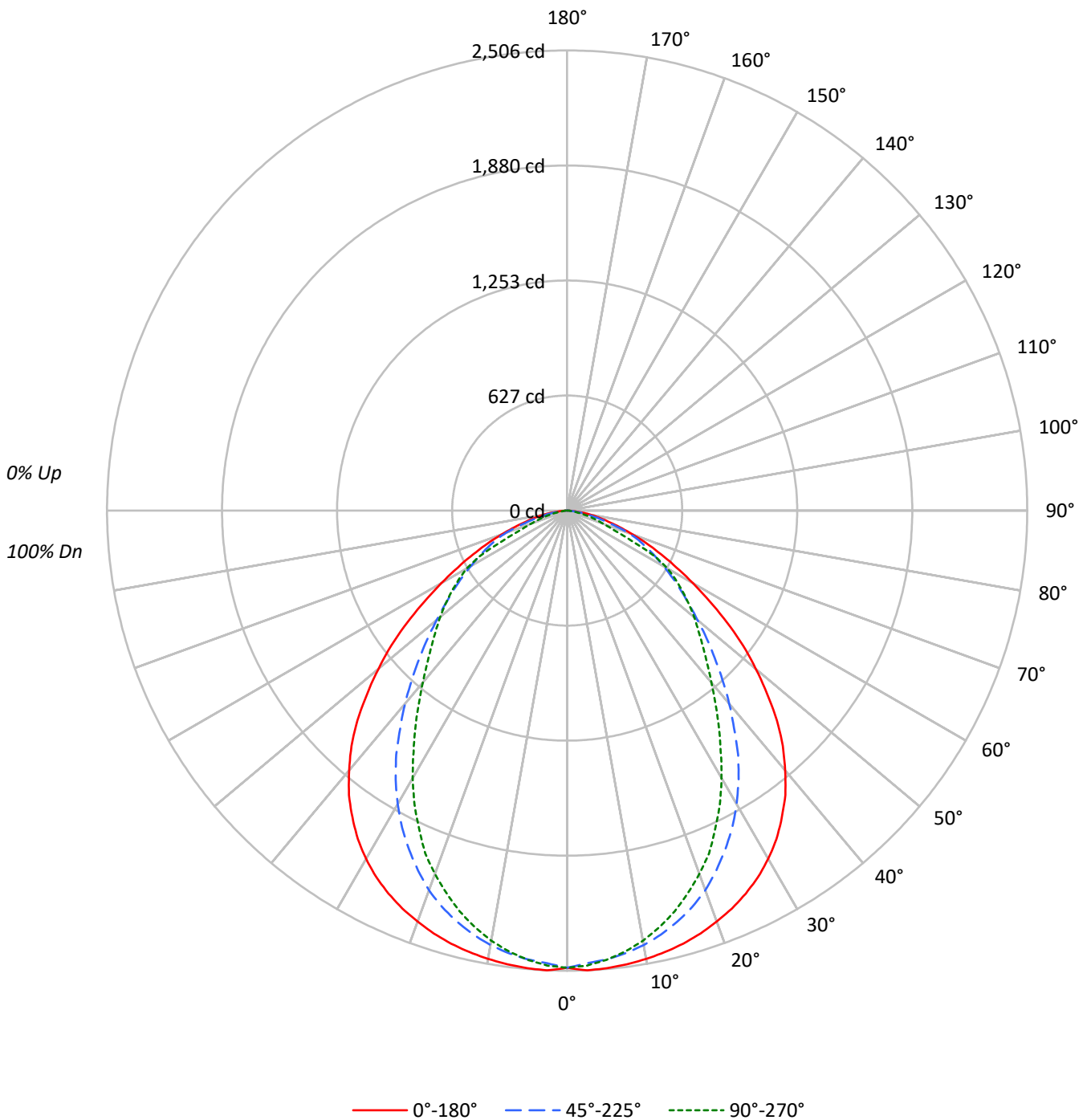
Lumens per Lamp: N/A  
Luminaire Lumens: 5285.5 lumens  
Efficiency: N/A  
Efficacy: 119.6 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

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	110	106	102	99	108	104	101	97	100	97	94	96	94	92	92	91	89	87					87			
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77	75					75			
3	93	84	76	71	91	82	75	70	79	74	69	77	72	68	74	70	66	64					64			
4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58	56					56			
5	80	68	59	53	78	67	59	53	65	58	53	63	57	52	61	56	51	49					49			
6	74	61	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44					44			
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39					39			
8	64	52	44	38	63	51	43	38	50	43	38	48	42	37	47	42	37	35					35			
9	60	48	40	34	59	47	39	34	46	39	34	45	39	34	44	38	34	32					32			
10	57	44	37	32	55	44	36	31	43	36	31	42	36	31	41	35	31	29					29			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	6700	6700	6700
5°	6757	6629	6634
10°	6774	6564	6498
15°	6803	6457	6296
20°	6820	6302	6030
25°	6833	6048	5671
30°	6805	5737	5226
35°	6697	5330	4730
40°	6489	4823	4292
45°	6149	4326	3970
50°	5619	3877	3783
55°	4988	3542	3600
60°	4254	3263	3397
65°	3592	3056	2425
70°	2970	2782	1644
75°	2405	2044	1288
80°	1998	1460	793
85°	1377	611	534



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	234.3	4.4
10°-20°	658.3	12.5
20°-30°	953.5	18.0
30°-40°	1046.5	19.8
40°-50°	945.5	17.9
50°-60°	737.2	13.9
60°-70°	466.7	8.8
70°-80°	204.4	3.9
80°-90°	39.2	0.7
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°	1846.0	34.9
0°-40°	2892.5	54.7
0°-60°	4575.3	86.6
0°-90°	5285.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5285.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2490	2490	2490	2490	2490	
5°	2501	2485	2454	2467	2456	238
15°	2442	2396	2318	2290	2260	690
25°	2301	2201	2037	1960	1910	1060
35°	2039	1856	1622	1493	1440	1273
45°	1616	1360	1137	1069	1043	1239
55°	1063	852	755	766	767	950
65°	564	469	480	459	381	565
75°	231	238	197	141	124	253
85°	45	42	20	18	17	58
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2489.7	2489.7	2489.7	2489.7	2489.7
2.5°	2506.3	2492.2	2467.4	2486.4	2479.8
5°	2501.3	2484.8	2454.2	2467.4	2455.9
7.5°	2492.2	2472.4	2431.9	2436.0	2422.0
10°	2479.0	2452.6	2402.2	2397.2	2378.2
12.5°	2462.5	2427.0	2365.0	2347.7	2322.9
15°	2441.8	2396.4	2317.9	2289.8	2260.1
17.5°	2415.4	2357.6	2264.2	2218.8	2184.9
20°	2381.5	2312.1	2200.6	2141.1	2105.6
22.5°	2346.0	2260.1	2121.3	2059.4	2019.7
25°	2301.4	2200.6	2037.1	1960.2	1909.8
27.5°	2251.0	2132.1	1946.2	1851.2	1800.8
30°	2189.9	2051.9	1846.2	1732.2	1681.9
32.5°	2122.1	1961.1	1737.2	1615.8	1557.1
35°	2038.7	1856.2	1622.4	1492.7	1439.8
37.5°	1952.8	1743.0	1493.5	1372.9	1327.5
40°	1847.1	1623.2	1372.9	1262.2	1221.7
42.5°	1738.9	1490.2	1252.3	1160.6	1127.6
45°	1615.8	1359.7	1136.7	1068.9	1043.3
47.5°	1477.8	1230.0	1030.1	988.0	969.8
50°	1342.3	1100.3	926.0	909.5	903.7
52.5°	1207.7	973.1	836.0	837.6	834.3
55°	1063.1	852.5	755.0	765.8	767.4
57.5°	919.4	737.7	679.0	698.8	700.5
60°	790.5	639.4	606.3	630.3	631.1
62.5°	671.6	547.7	540.2	563.4	536.1
65°	564.2	469.2	479.9	459.3	380.8
67.5°	468.4	403.9	421.3	321.3	270.1
70°	377.5	340.3	353.6	239.6	209.0
72.5°	298.2	287.5	267.6	186.7	162.7
75°	231.3	237.9	196.6	141.3	123.9
77.5°	176.8	193.3	142.9	101.6	85.1
80°	128.9	144.6	94.2	61.1	51.2
82.5°	85.1	90.9	49.6	31.4	27.3
85°	44.6	42.1	19.8	18.2	17.3
87.5°	19.0	10.7	9.9	8.3	8.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)