

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: P289538

Luminaire Tested: **6RSRK-RM-150-HE-L935**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P289538  
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: 6RSRK-RM-150-HE-L935  
Description: 6ft RSRK, 1500 LUMEN PER FOOT 90CRI 3500K CCT WITH ROUND MEDIUM LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

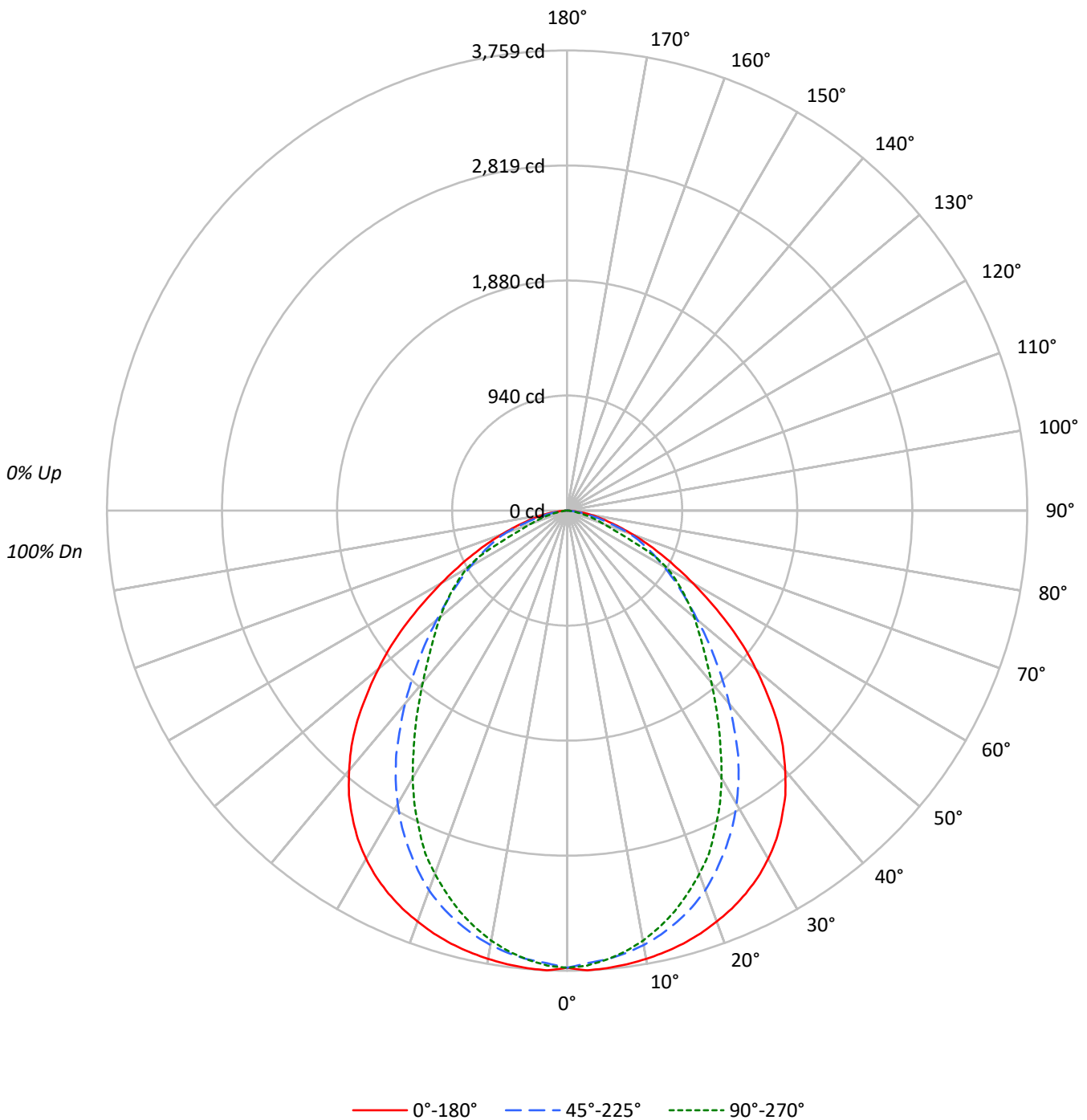
Lumens per Lamp: N/A  
Luminaire Lumens: 7928.3 lumens  
Efficiency: N/A  
Efficacy: 179.4 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18  
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')  
CIE Type: Direct

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

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

	0°	45°	90°
0°	6700	6700	6700
5°	6757	6629	6634
10°	6774	6564	6498
15°	6803	6458	6296
20°	6820	6302	6030
25°	6833	6048	5671
30°	6805	5737	5226
35°	6697	5330	4730
40°	6488	4823	4292
45°	6149	4326	3971
50°	5620	3877	3783
55°	4988	3542	3600
60°	4255	3263	3397
65°	3592	3056	2425
70°	2970	2782	1644
75°	2405	2044	1289
80°	1997	1460	793
85°	1377	611	535



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	351.4	4.4
10°-20°	987.5	12.5
20°-30°	1430.2	18.0
30°-40°	1569.8	19.8
40°-50°	1418.3	17.9
50°-60°	1105.9	13.9
60°-70°	700.1	8.8
70°-80°	306.5	3.9
80°-90°	58.8	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°	2769.0	34.9
0°-40°	4338.8	54.7
0°-60°	6862.9	86.6
0°-90°	7928.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7928.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3735	3735	3735	3735	3735	
5°	3752	3727	3681	3701	3684	357
15°	3663	3595	3477	3435	3390	1034
25°	3452	3301	3056	2940	2865	1590
35°	3058	2784	2434	2239	2160	1909
45°	2424	2040	1705	1603	1565	1858
55°	1595	1279	1132	1149	1151	1425
65°	846	704	720	689	571	848
75°	347	357	295	212	186	379
85°	67	63	30	27	26	87
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3734.6	3734.6	3734.6	3734.6	3734.6
2.5°	3759.4	3738.3	3701.2	3729.7	3719.7
5°	3752.0	3727.2	3681.3	3701.2	3683.8
7.5°	3738.3	3708.6	3647.9	3654.1	3633.0
10°	3718.5	3678.9	3603.3	3595.8	3567.3
12.5°	3693.7	3640.4	3547.5	3521.5	3484.3
15°	3662.7	3594.6	3476.9	3434.8	3390.1
17.5°	3623.1	3536.4	3396.3	3328.2	3277.4
20°	3572.3	3468.2	3300.9	3211.7	3158.4
22.5°	3519.0	3390.1	3182.0	3089.0	3029.6
25°	3452.1	3300.9	3055.6	2940.4	2864.8
27.5°	3376.5	3198.1	2919.3	2776.8	2701.2
30°	3284.8	3077.9	2769.4	2598.4	2522.8
32.5°	3183.2	2941.6	2605.8	2423.7	2335.7
35°	3058.1	2784.2	2433.6	2239.0	2159.7
37.5°	2929.2	2614.5	2240.3	2059.4	1991.2
40°	2770.6	2434.8	2059.4	1893.3	1832.6
42.5°	2608.3	2235.3	1878.5	1740.9	1691.4
45°	2423.7	2039.5	1705.0	1603.4	1565.0
47.5°	2216.7	1845.0	1545.1	1481.9	1454.7
50°	2013.5	1650.5	1389.0	1364.2	1355.6
52.5°	1811.5	1459.6	1254.0	1256.4	1251.5
55°	1594.7	1278.7	1132.5	1148.6	1151.1
57.5°	1379.1	1106.5	1018.5	1048.3	1050.7
60°	1185.8	959.1	909.5	945.4	946.7
62.5°	1007.4	821.5	810.4	845.1	804.2
65°	846.3	703.8	719.9	688.9	571.2
67.5°	702.6	605.9	631.9	482.0	405.2
70°	566.3	510.5	530.3	359.3	313.5
72.5°	447.3	431.2	401.5	280.0	244.1
75°	346.9	356.9	294.9	211.9	185.9
77.5°	265.2	289.9	214.4	152.4	127.6
80°	193.3	216.8	141.3	91.7	76.8
82.5°	127.6	136.3	74.3	47.1	40.9
85°	66.9	63.2	29.7	27.3	26.0
87.5°	28.5	16.1	14.9	12.4	12.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)