

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: P289484

Luminaire Tested: **4RSRK-RM-65-HE-L950**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289484
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-65-HE-L950
Description: 4ft RSRK, 650 LUMEN PER FOOT 90CRI 5000K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

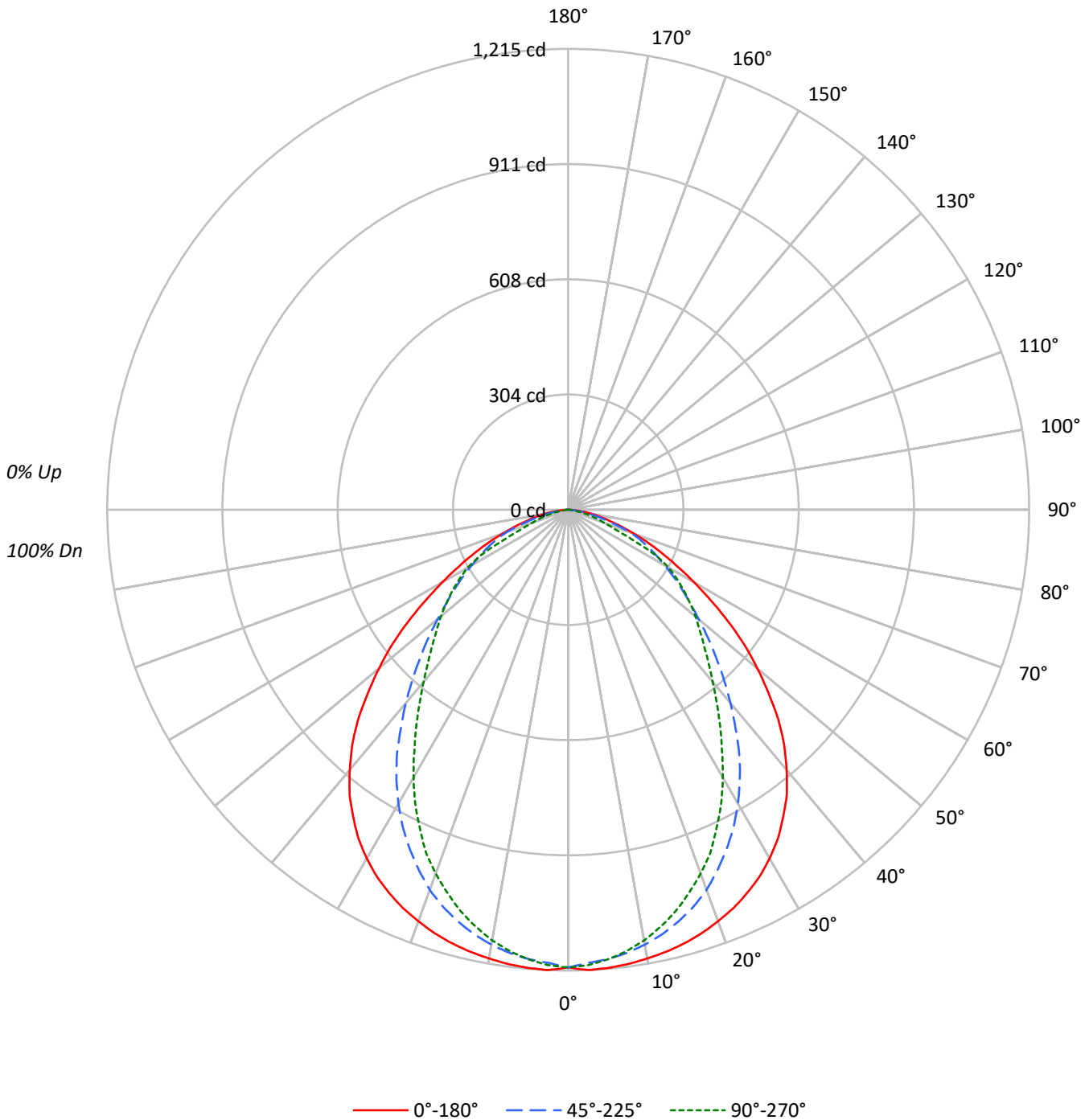
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2562.2 lumens
Efficiency: N/A
Efficacy: 135.6 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): 18.9
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°	3248	3248	3248
5°	3275	3214	3216
10°	3284	3182	3150
15°	3298	3130	3052
20°	3306	3055	2923
25°	3312	2932	2749
30°	3299	2781	2533
35°	3247	2584	2293
40°	3145	2338	2081
45°	2981	2097	1925
50°	2724	1879	1834
55°	2418	1717	1745
60°	2062	1582	1646
65°	1741	1482	1175
70°	1440	1349	797
75°	1166	991	625
80°	969	708	384
85°	667	296	259



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.6	4.4
10°-20°	319.1	12.5
20°-30°	462.2	18.0
30°-40°	507.3	19.8
40°-50°	458.4	17.9
50°-60°	357.4	13.9
60°-70°	226.2	8.8
70°-80°	99.1	3.9
80°-90°	19.0	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°	894.9	34.9
0°-40°	1402.2	54.7
0°-60°	2217.9	86.6
0°-90°	2562.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2562.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1207	1207	1207	1207	1207	
5°	1212	1204	1190	1196	1190	115
15°	1184	1162	1124	1110	1096	334
25°	1116	1067	988	950	926	514
35°	988	900	786	724	698	617
45°	783	659	551	518	506	601
55°	515	413	366	371	372	460
65°	274	228	233	223	185	274
75°	112	115	95	68	60	123
85°	22	20	10	9	8	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1206.9	1206.9	1206.9	1206.9	1206.9
2.5°	1214.9	1208.1	1196.1	1205.3	1202.1
5°	1212.5	1204.5	1189.7	1196.1	1190.5
7.5°	1208.1	1198.5	1178.9	1180.9	1174.1
10°	1201.7	1188.9	1164.5	1162.1	1152.9
12.5°	1193.7	1176.5	1146.5	1138.1	1126.0
15°	1183.7	1161.7	1123.6	1110.0	1095.6
17.5°	1170.9	1142.9	1097.6	1075.6	1059.2
20°	1154.5	1120.8	1066.8	1037.9	1020.7
22.5°	1137.3	1095.6	1028.3	998.3	979.1
25°	1115.6	1066.8	987.5	950.3	925.8
27.5°	1091.2	1033.5	943.4	897.4	873.0
30°	1061.6	994.7	895.0	839.7	815.3
32.5°	1028.7	950.7	842.1	783.3	754.8
35°	988.3	899.8	786.5	723.6	698.0
37.5°	946.6	844.9	724.0	665.5	643.5
40°	895.4	786.9	665.5	611.9	592.3
42.5°	842.9	722.4	607.1	562.6	546.6
45°	783.3	659.1	551.0	518.2	505.8
47.5°	716.4	596.3	499.4	478.9	470.1
50°	650.7	533.4	448.9	440.9	438.1
52.5°	585.4	471.7	405.2	406.0	404.4
55°	515.4	413.3	366.0	371.2	372.0
57.5°	445.7	357.6	329.2	338.8	339.6
60°	383.2	309.9	293.9	305.5	305.9
62.5°	325.6	265.5	261.9	273.1	259.9
65°	273.5	227.5	232.7	222.6	184.6
67.5°	227.1	195.8	204.2	155.8	130.9
70°	183.0	165.0	171.4	116.1	101.3
72.5°	144.6	139.4	129.7	90.5	78.9
75°	112.1	115.3	95.3	68.5	60.1
77.5°	85.7	93.7	69.3	49.3	41.2
80°	62.5	70.1	45.7	29.6	24.8
82.5°	41.2	44.0	24.0	15.2	13.2
85°	21.6	20.4	9.6	8.8	8.4
87.5°	9.2	5.2	4.8	4.0	4.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)