

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: P289483

Luminaire Tested: **4RSRK-RM-65-HE-L940**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289483
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-L940
Description: 4ft RSRK, 650 LUMEN PER FOOT 90CRI 4000K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

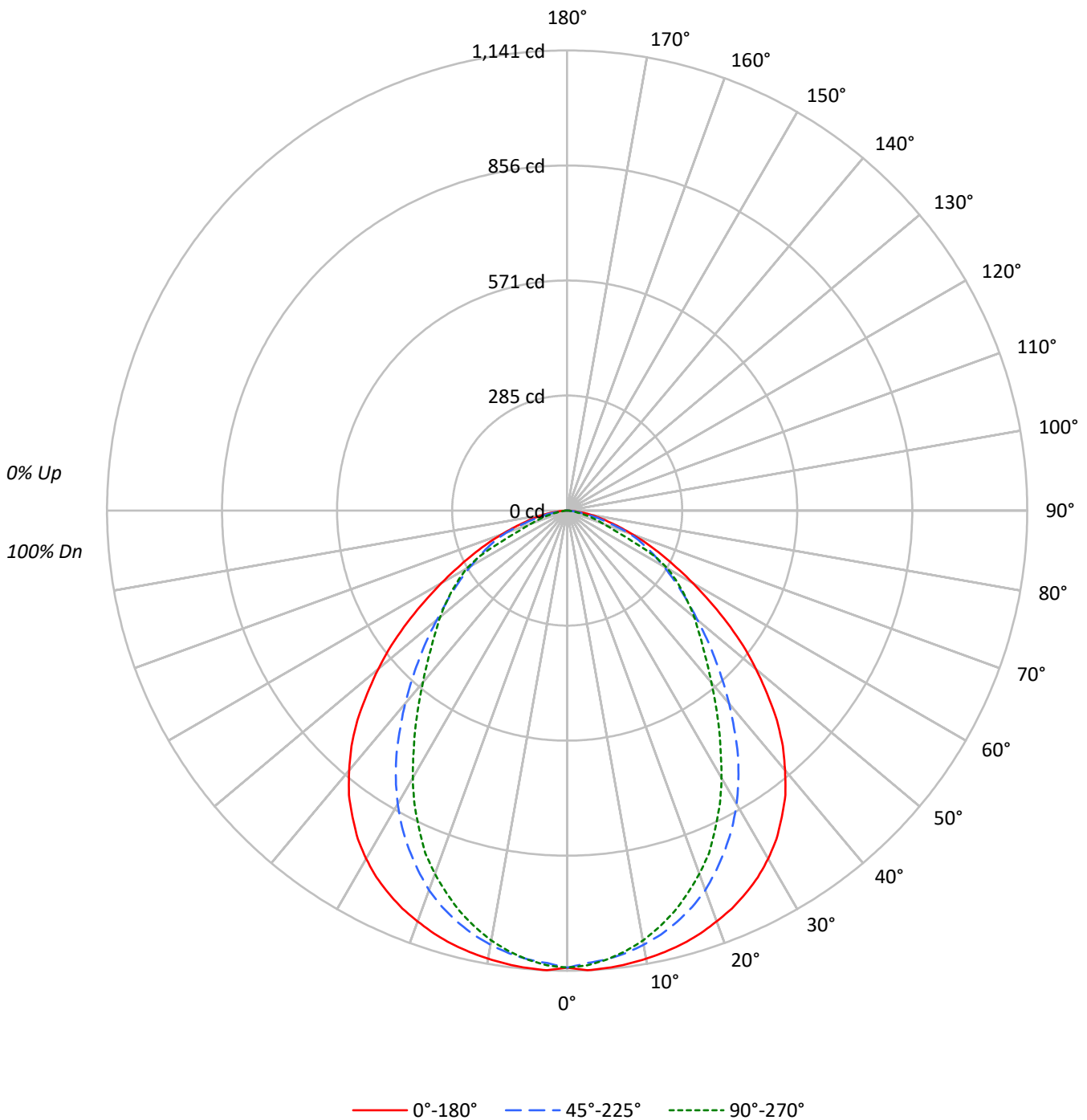
Lumens per Lamp: N/A
Luminaire Lumens: 2405.9 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	3050	3050	3050
5°	3075	3018	3019
10°	3083	2988	2958
15°	3097	2939	2866
20°	3104	2869	2745
25°	3110	2753	2581
30°	3097	2611	2379
35°	3049	2426	2153
40°	2953	2195	1953
45°	2799	1969	1807
50°	2558	1765	1722
55°	2270	1612	1639
60°	1936	1485	1546
65°	1635	1391	1103
70°	1352	1266	748
75°	1095	931	586
80°	910	665	361
85°	627	278	244



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.6	4.4
10°-20°	299.6	12.5
20°-30°	434.0	18.0
30°-40°	476.3	19.8
40°-50°	430.4	17.9
50°-60°	335.6	13.9
60°-70°	212.4	8.8
70°-80°	93.0	3.9
80°-90°	17.8	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°	840.3	34.9
0°-40°	1316.6	54.7
0°-60°	2082.6	86.6
0°-90°	2405.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2405.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1133	1133	1133	1133	1133	
5°	1138	1131	1117	1123	1118	108
15°	1112	1091	1055	1042	1029	314
25°	1048	1002	927	892	869	483
35°	928	845	738	679	655	579
45°	736	619	517	486	475	564
55°	484	388	344	349	349	432
65°	257	214	218	209	173	257
75°	105	108	90	64	56	115
85°	20	19	9	8	8	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1133.3	1133.3	1133.3	1133.3	1133.3
2.5°	1140.8	1134.4	1123.1	1131.8	1128.7
5°	1138.5	1131.0	1117.1	1123.1	1117.8
7.5°	1134.4	1125.4	1106.9	1108.8	1102.4
10°	1128.4	1116.3	1093.4	1091.1	1082.5
12.5°	1120.9	1104.7	1076.5	1068.6	1057.3
15°	1111.5	1090.8	1055.1	1042.3	1028.7
17.5°	1099.4	1073.1	1030.6	1009.9	994.5
20°	1084.0	1052.4	1001.7	974.6	958.4
22.5°	1067.8	1028.7	965.6	937.4	919.3
25°	1047.5	1001.7	927.2	892.2	869.3
27.5°	1024.6	970.5	885.9	842.6	819.7
30°	996.8	934.0	840.4	788.5	765.5
32.5°	965.9	892.6	790.7	735.5	708.8
35°	928.0	844.9	738.5	679.4	655.4
37.5°	888.9	793.4	679.8	624.9	604.2
40°	840.7	738.8	624.9	574.5	556.1
42.5°	791.5	678.3	570.0	528.3	513.2
45°	735.5	618.9	517.4	486.5	474.9
47.5°	672.7	559.9	468.9	449.7	441.4
50°	611.0	500.8	421.5	414.0	411.3
52.5°	549.7	442.9	380.5	381.3	379.8
55°	483.9	388.0	343.7	348.6	349.3
57.5°	418.5	335.8	309.1	318.1	318.8
60°	359.8	291.0	276.0	286.9	287.3
62.5°	305.7	249.3	245.9	256.4	244.0
65°	256.8	213.6	218.5	209.1	173.3
67.5°	213.2	183.9	191.8	146.3	123.0
70°	171.8	154.9	160.9	109.0	95.1
72.5°	135.7	130.8	121.8	85.0	74.1
75°	105.3	108.3	89.5	64.3	56.4
77.5°	80.5	88.0	65.0	46.2	38.7
80°	58.7	65.8	42.9	27.8	23.3
82.5°	38.7	41.4	22.6	14.3	12.4
85°	20.3	19.2	9.0	8.3	7.9
87.5°	8.6	4.9	4.5	3.8	3.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)