

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: P290015

Luminaire Tested: **4SSRK-RB-40-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290015
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-RB-40-L950-CD1-U
Description: 4000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3670.4 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.65 / 1.6
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

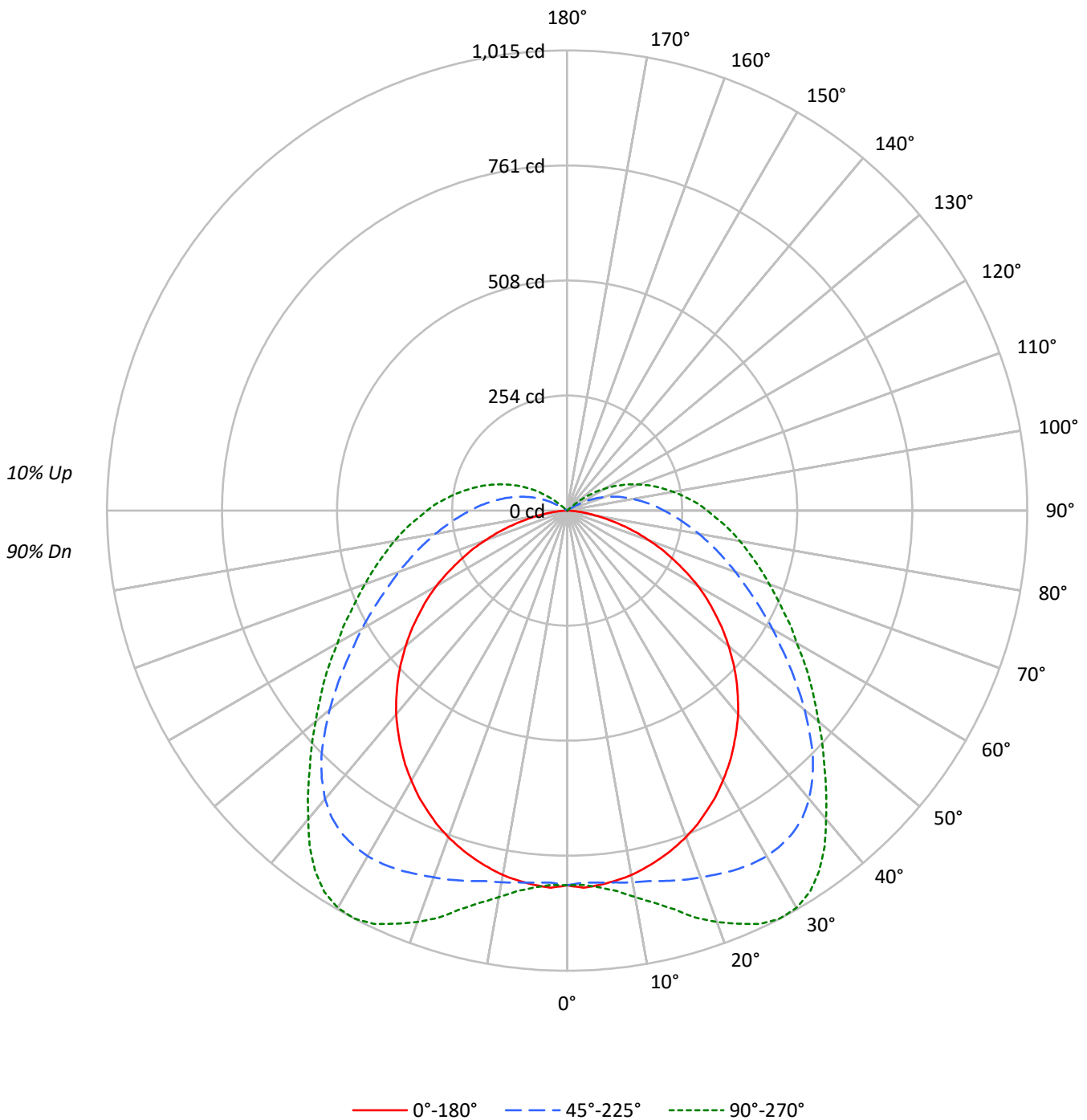
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	117	117	117	117	113	113	113	113	106	106	106		99	99	99		93	93	93	90
1	104	98	93	88	100	95	90	86	89	85	81		83	80	77		78	75	73	70
2	94	84	77	70	90	82	74	68	76	70	65		71	67	62		67	63	59	57
3	85	73	64	57	81	71	63	56	66	60	54		62	56	52		58	54	49	47
4	77	64	55	48	74	62	54	47	59	51	45		55	49	44		52	46	42	39
5	71	57	48	41	68	56	47	40	52	45	39		49	43	37		46	41	36	34
6	65	51	42	35	63	50	41	35	47	39	34		44	38	32		42	36	31	29
7	60	46	37	31	58	45	36	30	43	35	29		40	34	29		38	32	28	25
8	56	42	33	27	54	41	33	27	39	31	26		37	30	25		35	29	25	22
9	52	38	30	24	50	37	29	24	36	28	23		34	27	23		32	26	22	20
10	49	35	27	22	47	34	27	22	33	26	21		31	25	20		30	24	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	53378	53378	53378
5°	53529	42724	40076
10°	53142	36310	33291
15°	52535	32023	29374
20°	51886	28998	27017
25°	51021	26730	25017
30°	50043	24776	22798
35°	48959	22800	20109
40°	47825	20605	17193
45°	46287	18144	14659
50°	44481	15589	12615
55°	42477	13284	10967
60°	40165	11362	9521
65°	36585	9732	8394
70°	32734	8422	7473
75°	27210	7322	6714
80°	19825	6378	6080
85°	10039	5545	5499



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.5	2.2
10°-20°	241.8	6.6
20°-30°	402.5	11.0
30°-40°	520.6	14.2
40°-50°	549.8	15.0
50°-60°	506.9	13.8
60°-70°	426.0	11.6
70°-80°	333.8	9.1
80°-90°	245.6	6.7
90°-100°	175.0	4.8
100°-110°	112.4	3.1
110°-120°	59.0	1.6
120°-130°	17.1	0.5
130°-140°	0.4	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°	723.8	19.7
0°-40°	1244.4	33.9
0°-60°	2301.1	62.7
0°-90°	3306.5	90.1
90°-120°	346.4	9.4
90°-150°	363.9	9.9
90°-180°	364.0	9.9
0°-180°	3670.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	826	826	826	826	826	
5°	829	828	824	834	834	79
15°	794	810	846	896	910	224
25°	730	771	875	975	1006	336
35°	639	710	868	956	969	400
45°	528	622	766	799	802	407
55°	400	497	600	640	654	358
65°	261	357	454	510	526	260
75°	126	232	342	407	429	134
85°	20	136	252	324	347	26
90°	0	100	214	286	309	1
95°	1	72	180	251	273	1
105°	1	24	117	182	203	1
115°	1	1	56	113	133	1
125°	1	0	0	40	60	1
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	826.5	826.5	826.5	826.5	826.5
2.5°	832.7	829.2	821.2	828.3	826.5
5°	828.7	828.3	823.8	834.5	834.5
7.5°	823.4	825.2	827.4	845.2	846.5
10°	816.3	821.6	832.7	859.9	865.7
12.5°	806.0	815.8	837.2	876.4	885.7
15°	794.5	810.0	845.7	895.9	910.2
17.5°	781.1	801.6	854.1	920.0	941.3
20°	766.4	793.1	860.8	941.8	965.4
22.5°	749.5	782.9	867.9	959.6	986.3
25°	729.9	770.9	875.0	975.2	1005.9
27.5°	710.3	758.4	879.0	985.0	1014.8
30°	687.2	744.6	880.4	986.3	1011.7
32.5°	664.5	729.5	876.4	977.0	997.0
35°	639.1	710.3	867.9	956.5	969.4
37.5°	612.9	689.9	853.2	924.9	932.9
40°	587.1	670.7	830.5	884.8	888.4
42.5°	557.2	646.3	801.1	842.5	846.1
45°	527.9	621.8	766.4	799.4	802.5
47.5°	496.7	593.7	725.5	756.2	763.8
50°	464.7	563.0	683.6	716.1	724.1
52.5°	433.5	531.4	641.4	678.3	687.7
55°	399.7	496.7	599.5	640.5	653.8
57.5°	367.2	462.4	559.0	604.4	619.1
60°	333.4	427.3	523.4	571.0	584.4
62.5°	297.8	391.7	486.9	540.3	557.2
65°	260.8	357.0	454.0	509.6	526.1
67.5°	228.3	323.6	422.4	481.1	499.8
70°	193.2	291.5	394.8	455.8	474.5
72.5°	158.9	261.7	367.2	431.3	451.3
75°	126.0	232.3	342.3	407.2	428.6
77.5°	93.9	205.2	317.8	385.4	406.8
80°	65.9	180.3	295.1	364.5	387.2
82.5°	40.9	158.0	272.8	344.0	367.2
85°	20.0	135.7	251.9	323.6	346.7
87.5°	5.8	116.2	232.3	304.0	326.7
90°	0.4	99.7	213.6	286.2	308.9
92.5°	0.9	85.0	197.6	268.4	292.4
95°	1.3	72.1	179.8	251.0	273.3
97.5°	1.3	59.6	163.3	233.7	255.5
100°	1.3	47.6	147.3	215.4	237.7
102.5°	1.3	36.1	131.7	198.5	219.9
105°	1.3	23.6	117.1	182.0	203.4
107.5°	1.3	10.2	101.5	164.2	185.6
110°	1.3	2.2	86.3	147.8	168.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	1.3	72.1	130.4	151.3
115°	0.9	1.3	56.1	113.1	132.6
117.5°	0.9	0.9	38.3	96.1	116.2
120°	0.9	0.9	20.0	79.2	97.5
122.5°	0.9	0.4	4.0	60.5	80.6
125°	0.9	0.4	0.0	40.5	60.1
127.5°	0.9	0.4	0.0	20.9	40.9
130°	0.4	0.4	0.0	3.1	19.6
132.5°	0.4	0.4	0.0	0.0	0.9
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)