

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: P289643

Luminaire Tested: **4SSRK-TB-30-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289643
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-TB-30-L940-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH TRILOBE RIBBED LENS AND 90 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2527.8 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.08 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

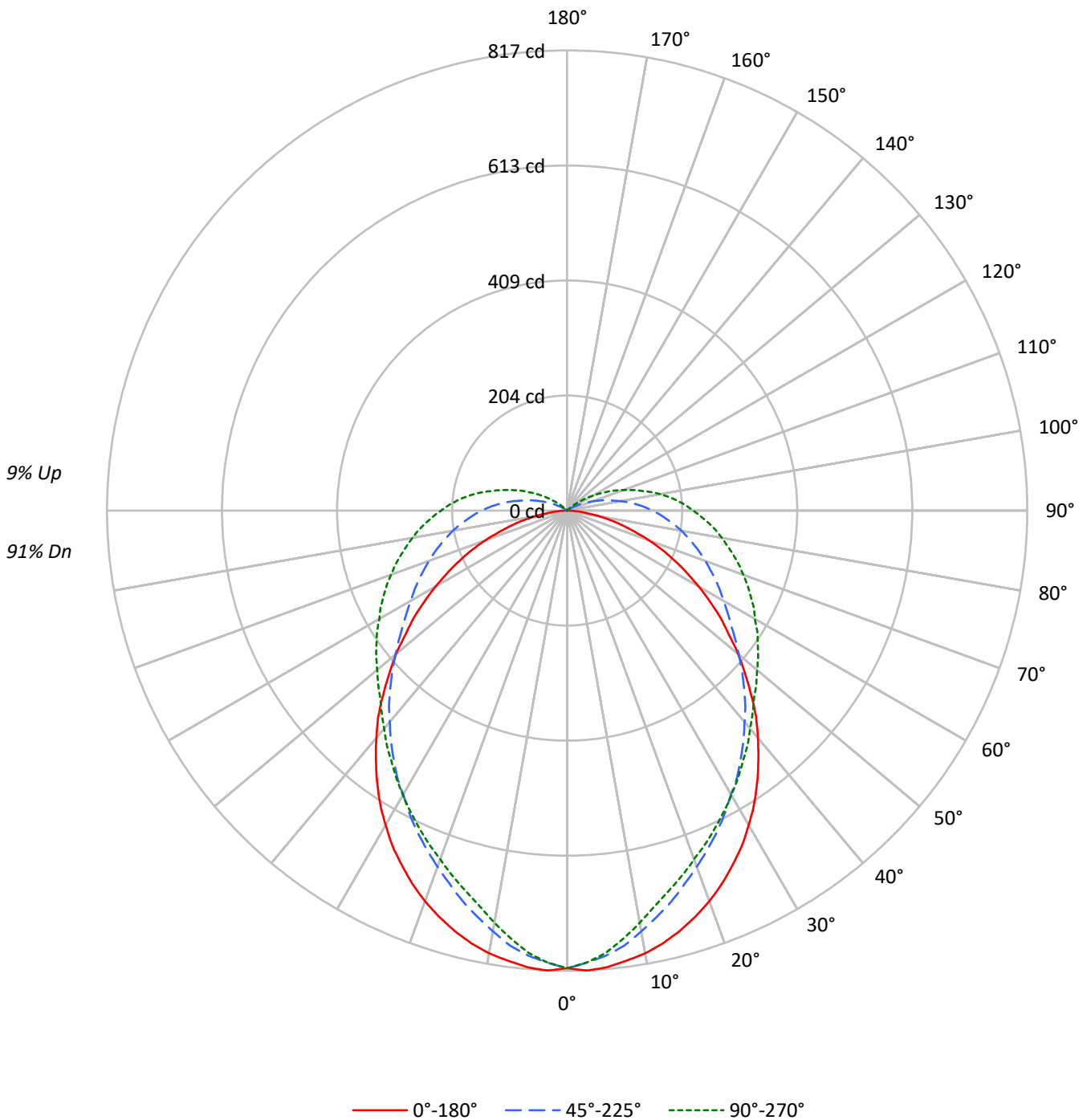
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	91
1	104	98	93	89	100	95	90	86	89	85	82	84	80	78	78	76	74	71
2	94	85	77	71	90	82	75	69	77	71	66	72	67	63	68	64	60	58
3	85	74	65	58	82	72	64	57	67	60	55	63	58	53	60	55	51	48
4	78	65	56	49	75	63	55	48	60	52	47	56	50	45	53	48	43	41
5	72	58	49	42	69	57	48	41	53	46	40	50	44	39	48	42	38	35
6	66	53	43	37	64	51	42	36	48	41	35	46	39	34	43	38	33	31
7	61	48	39	32	59	46	38	32	44	37	31	42	35	30	40	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	31	26	24
9	54	40	32	26	52	39	31	26	37	30	25	35	29	24	34	28	24	22
10	50	37	29	24	48	36	28	23	34	28	23	33	27	22	31	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	52461	52461	52461
5°	52554	41132	37843
10°	51964	33079	28581
15°	51087	27172	22542
20°	49970	22668	18437
25°	48553	19227	15462
30°	46948	16378	13144
35°	45075	14115	11278
40°	42929	12155	9779
45°	40491	10509	8576
50°	37963	9072	7667
55°	35346	7880	6931
60°	32515	6971	6272
65°	29613	6225	5736
70°	26228	5568	5238
75°	22092	4980	4789
80°	17328	4452	4379
85°	10892	3914	3997



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.2	3.0
10°-20°	205.0	8.1
20°-30°	296.6	11.7
30°-40°	345.0	13.6
40°-50°	351.1	13.9
50°-60°	326.7	12.9
60°-70°	284.5	11.3
70°-80°	231.6	9.2
80°-90°	175.4	6.9
90°-100°	121.7	4.8
100°-110°	71.5	2.8
110°-120°	33.5	1.3
120°-130°	9.5	0.4
130°-140°	0.5	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°	576.7	22.8
0°-40°	921.7	36.5
0°-60°	1599.6	63.3
0°-90°	2291.1	90.6
90°-120°	226.7	9.0
90°-150°	236.7	9.4
90°-180°	237.0	9.4
0°-180°	2527.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	812	812	812	812	812	
5°	814	807	793	793	788	77
15°	773	752	718	705	698	218
25°	695	664	629	624	622	320
35°	588	558	537	542	544	368
45°	462	444	444	462	470	356
55°	333	331	356	398	413	297
65°	211	229	290	342	360	209
75°	102	150	233	286	306	109
85°	22	93	178	234	252	25
90°	0	68	151	206	224	1
95°	0	44	124	179	197	0
105°	0	10	70	119	136	0
115°	0	0	28	65	79	0
125°	0	0	1	22	32	0
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°	1	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°	812.3	812.3	812.3	812.3	812.3
2.5°	817.4	813.6	803.3	807.2	803.3
5°	813.6	807.2	793.1	793.1	788.0
7.5°	805.9	798.2	779.0	772.6	766.3
10°	798.2	786.7	758.6	750.9	743.2
12.5°	786.7	770.1	738.1	726.6	718.9
15°	772.6	752.2	717.6	704.8	698.5
17.5°	756.0	733.0	694.6	684.4	679.3
20°	738.1	711.2	672.9	663.9	658.8
22.5°	717.6	686.9	651.1	644.7	640.9
25°	694.6	663.9	629.4	624.3	621.7
27.5°	671.6	638.3	606.3	603.8	602.5
30°	644.7	612.7	582.0	583.3	583.3
32.5°	617.9	585.9	561.6	564.1	564.1
35°	588.4	557.7	537.3	542.4	543.7
37.5°	557.7	530.9	514.2	521.9	525.8
40°	527.0	502.7	489.9	501.5	505.3
42.5°	496.3	473.3	468.2	482.3	487.4
45°	461.8	443.9	443.9	461.8	469.5
47.5°	428.5	417.0	420.9	443.9	455.4
50°	396.6	387.6	397.8	427.3	440.1
52.5°	362.0	359.5	376.1	411.9	427.3
55°	332.6	331.3	355.6	397.8	413.2
57.5°	300.6	304.5	337.7	383.8	400.4
60°	269.9	277.6	321.1	369.7	385.0
62.5°	239.2	254.6	305.7	355.6	373.5
65°	211.1	229.0	290.4	341.6	359.5
67.5°	182.9	206.0	275.0	328.8	346.7
70°	154.8	185.5	261.0	314.7	332.6
72.5°	126.6	167.6	246.9	300.6	319.8
75°	102.3	149.7	232.8	286.5	305.7
77.5°	79.3	135.6	218.7	275.0	291.7
80°	57.6	120.2	206.0	261.0	278.9
82.5°	37.1	107.5	191.9	246.9	266.1
85°	21.7	93.4	177.8	234.1	252.0
87.5°	9.0	79.3	165.0	220.0	237.9
90°	0.0	67.8	150.9	206.0	223.9
92.5°	0.0	56.3	138.2	193.2	211.1
95°	0.0	43.5	124.1	179.1	197.0
97.5°	0.0	33.3	110.0	165.0	182.9
100°	0.0	25.6	95.9	148.4	167.6
102.5°	0.0	17.9	81.9	133.0	152.2
105°	0.0	10.2	70.4	119.0	135.6
107.5°	0.0	5.1	58.8	104.9	121.5
110°	0.0	1.3	47.3	90.8	106.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	37.1	78.0	93.4
115°	0.0	0.0	28.1	65.2	79.3
117.5°	0.0	0.0	19.2	53.7	66.5
120°	0.0	0.0	11.5	42.2	53.7
122.5°	0.0	0.0	5.1	32.0	42.2
125°	0.0	0.0	1.3	21.7	32.0
127.5°	0.0	0.0	0.0	12.8	21.7
130°	0.0	0.0	0.0	6.4	12.8
132.5°	0.0	0.0	0.0	1.3	5.1
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°	1.3	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)