

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: **8SSRK-TB-80-L930-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: 8SSRK-TB-80-L930-CD1-U
Description: 8000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH TRILOBE RIBBED LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6355.2 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.08 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

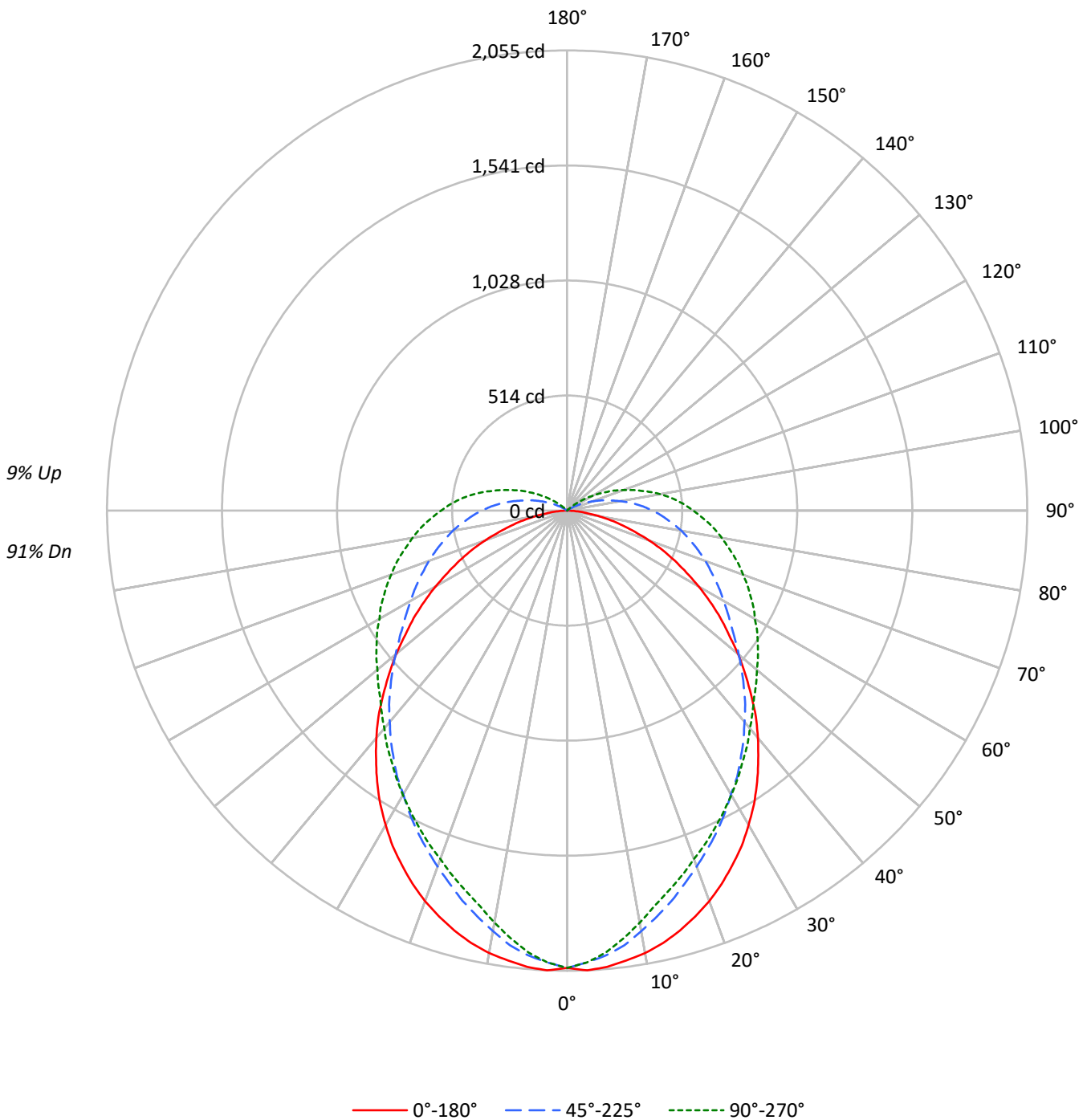
Input Watts (W): 56.6491
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	65946	65946	65946
5°	66181	51760	47570
10°	65561	41652	35928
15°	64578	34235	28335
20°	63289	28568	23176
25°	61622	24240	19436
30°	59720	20656	16523
35°	57480	17803	14176
40°	54894	15337	12292
45°	51937	13261	10780
50°	48873	11450	9637
55°	45717	9947	8712
60°	42300	8799	7885
65°	38816	7859	7209
70°	34748	7030	6585
75°	29786	6289	6020
80°	24065	5623	5505
85°	16369	4944	5025



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.1	3.0
10°-20°	515.3	8.1
20°-30°	745.6	11.7
30°-40°	867.3	13.6
40°-50°	882.8	13.9
50°-60°	821.4	12.9
60°-70°	715.3	11.3
70°-80°	582.3	9.2
80°-90°	441.1	6.9
90°-100°	305.9	4.8
100°-110°	179.7	2.8
110°-120°	84.3	1.3
120°-130°	24.0	0.4
130°-140°	1.3	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°	1449.9	22.8
0°-40°	2317.2	36.5
0°-60°	4021.4	63.3
0°-90°	5760.0	90.6
90°-120°	569.9	9.0
90°-150°	595.2	9.4
90°-180°	595.0	9.4
0°-180°	6355.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2042	2042	2042	2042	2042	
5°	2045	2029	1994	1994	1981	194
15°	1942	1891	1804	1772	1756	547
25°	1746	1669	1582	1569	1563	804
35°	1479	1402	1351	1364	1367	924
45°	1161	1116	1116	1161	1180	896
55°	836	833	894	1000	1039	746
65°	531	576	730	859	904	526
75°	257	376	585	720	769	275
85°	55	235	447	588	634	63
90°	0	170	380	518	563	3
95°	0	109	312	450	495	0
105°	0	26	177	299	341	0
115°	0	0	71	164	199	0
125°	0	0	3	55	80	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°	3	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°	2042.2	2042.2	2042.2	2042.2	2042.2
2.5°	2055.1	2045.4	2019.7	2029.3	2019.7
5°	2045.4	2029.3	1994.0	1994.0	1981.1
7.5°	2026.1	2006.8	1958.6	1942.5	1926.4
10°	2006.8	1977.9	1907.1	1887.8	1868.5
12.5°	1977.9	1936.1	1855.7	1826.7	1807.4
15°	1942.5	1891.0	1804.2	1772.0	1756.0
17.5°	1900.7	1842.8	1746.3	1720.6	1707.7
20°	1855.7	1788.1	1691.6	1669.1	1656.3
22.5°	1804.2	1727.0	1637.0	1620.9	1611.2
25°	1746.3	1669.1	1582.3	1569.4	1563.0
27.5°	1688.4	1604.8	1524.4	1518.0	1514.8
30°	1620.9	1540.5	1463.3	1466.5	1466.5
32.5°	1553.4	1473.0	1411.9	1418.3	1418.3
35°	1479.4	1402.2	1350.7	1363.6	1366.8
37.5°	1402.2	1334.7	1292.9	1312.2	1321.8
40°	1325.0	1263.9	1231.8	1260.7	1270.3
42.5°	1247.8	1189.9	1177.1	1212.5	1225.3
45°	1161.0	1116.0	1116.0	1161.0	1180.3
47.5°	1077.4	1048.4	1058.1	1116.0	1144.9
50°	997.0	974.5	1000.2	1074.2	1106.3
52.5°	910.1	903.7	945.5	1035.6	1074.2
55°	836.2	833.0	894.1	1000.2	1038.8
57.5°	755.8	765.4	849.0	964.8	1006.6
60°	678.6	697.9	807.2	929.4	968.0
62.5°	601.4	640.0	768.6	894.1	939.1
65°	530.7	575.7	730.0	858.7	903.7
67.5°	459.9	517.8	691.5	826.5	871.6
70°	389.1	466.3	656.1	791.2	836.2
72.5°	318.4	421.3	620.7	755.8	804.0
75°	257.3	376.3	585.3	720.4	768.6
77.5°	199.4	340.9	549.9	691.5	733.3
80°	144.7	302.3	517.8	656.1	701.1
82.5°	93.3	270.1	482.4	620.7	668.9
85°	54.7	234.8	447.0	588.5	633.6
87.5°	22.5	199.4	414.9	553.2	598.2
90°	0.0	170.5	379.5	517.8	562.8
92.5°	0.0	141.5	347.3	485.6	530.7
95°	0.0	109.3	312.0	450.2	495.3
97.5°	0.0	83.6	276.6	414.9	459.9
100°	0.0	64.3	241.2	373.1	421.3
102.5°	0.0	45.0	205.8	334.5	382.7
105°	0.0	25.7	176.9	299.1	340.9
107.5°	0.0	12.9	147.9	263.7	305.5
110°	0.0	3.2	119.0	228.3	266.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	93.3	196.2	234.8
115°	0.0	0.0	70.8	164.0	199.4
117.5°	0.0	0.0	48.2	135.1	167.2
120°	0.0	0.0	28.9	106.1	135.1
122.5°	0.0	0.0	12.9	80.4	106.1
125°	0.0	0.0	3.2	54.7	80.4
127.5°	0.0	0.0	0.0	32.2	54.7
130°	0.0	0.0	0.0	16.1	32.2
132.5°	0.0	0.0	0.0	3.2	12.9
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°	3.2	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)