Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: INVUE

Report Number: P671651

Luminaire Tested: **CCP-SA-2A-727-U-SLL**

Issue Date: 04/16/2023

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P671651
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	04/16/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	INVUE
Catalog Number:	CCP-SA-2A-727-U-SLL
Description:	INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ SLL distribution lens
Light Source:	(32) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3796.8 lumens
Efficiency:	N/A
Efficacy:	104.9 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	36.2
Input Voltage (V):	120
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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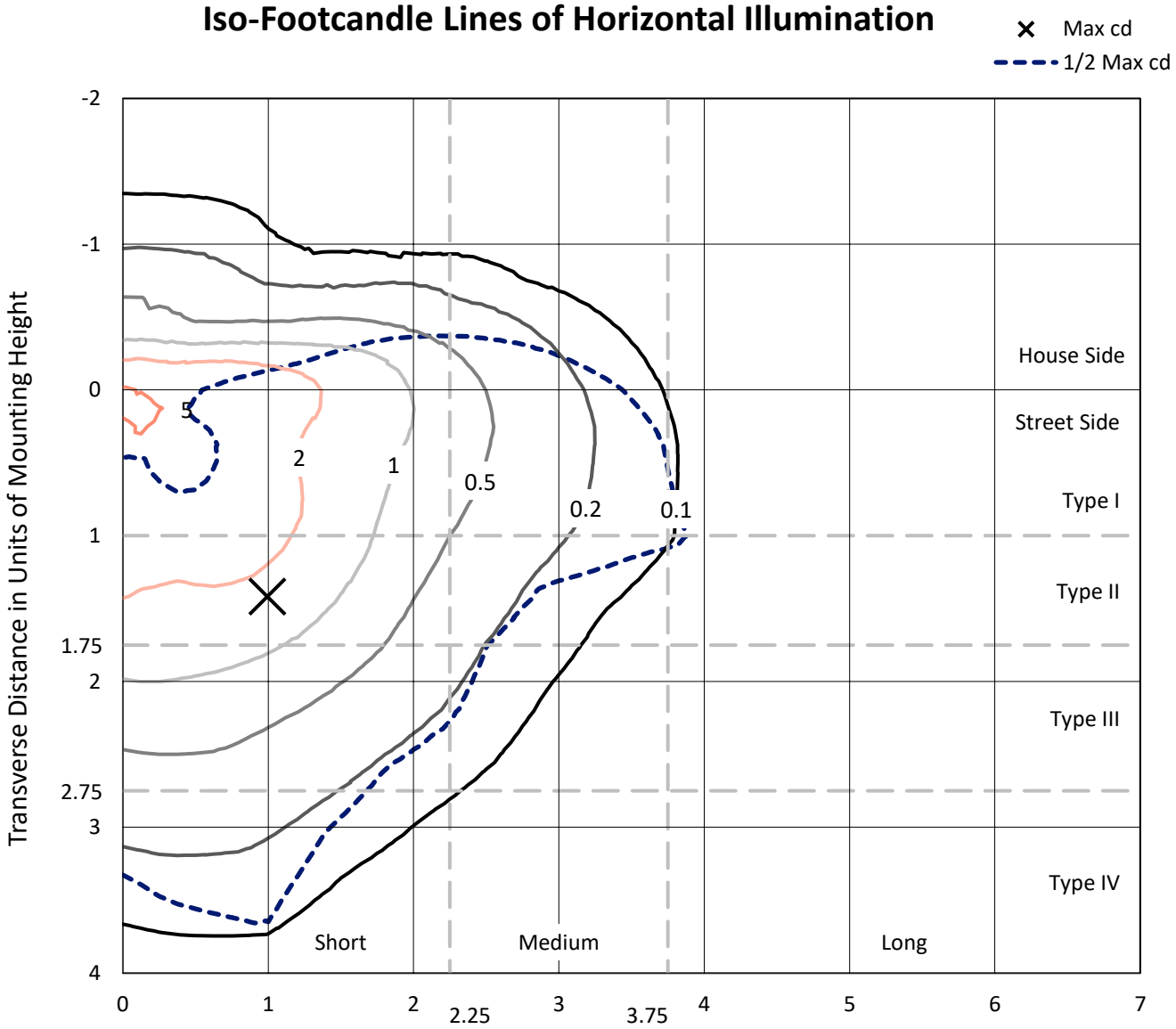
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 6.1 fc
Type IV - Short - N/A

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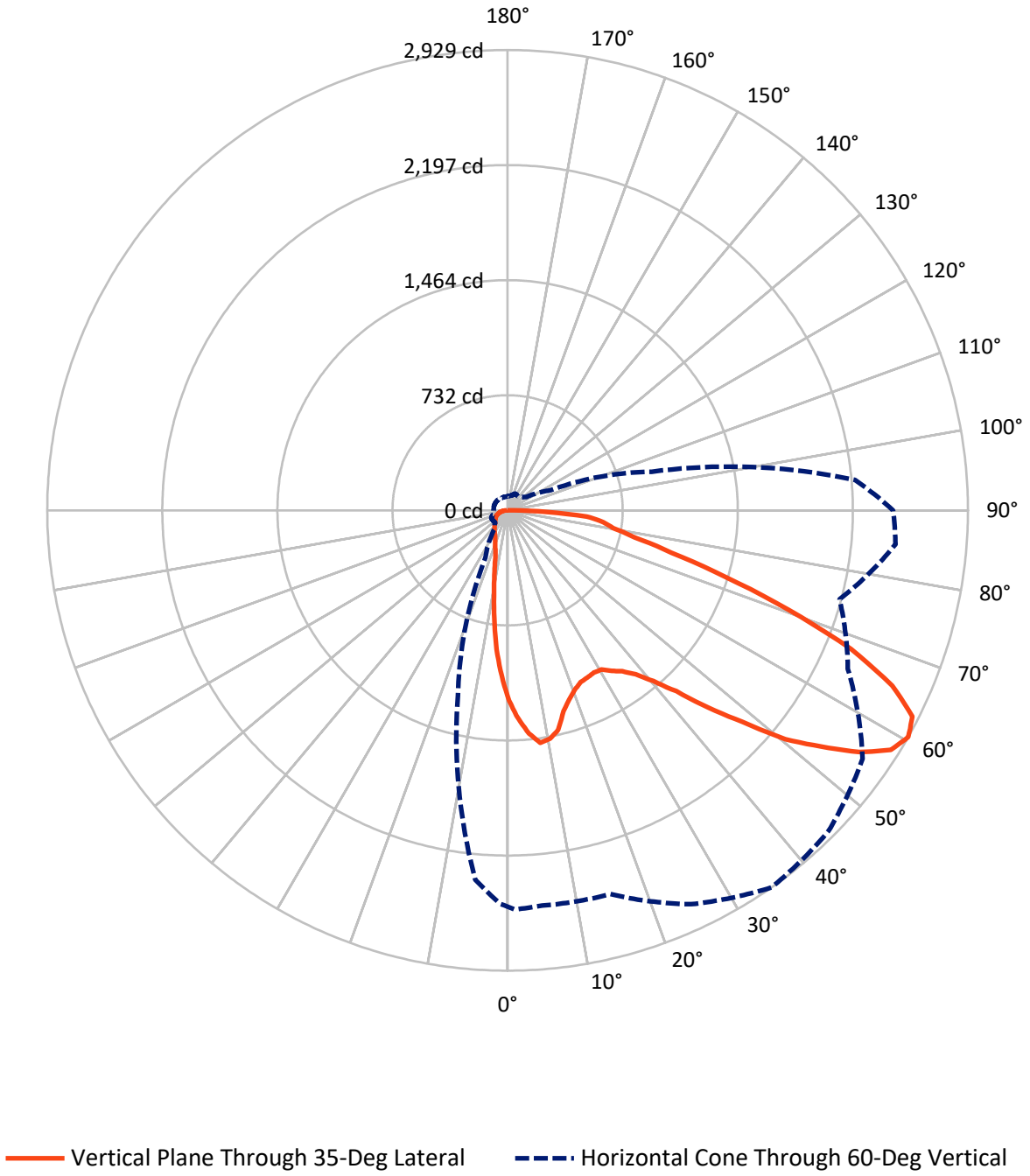
Luminous Intensity Polar Plot



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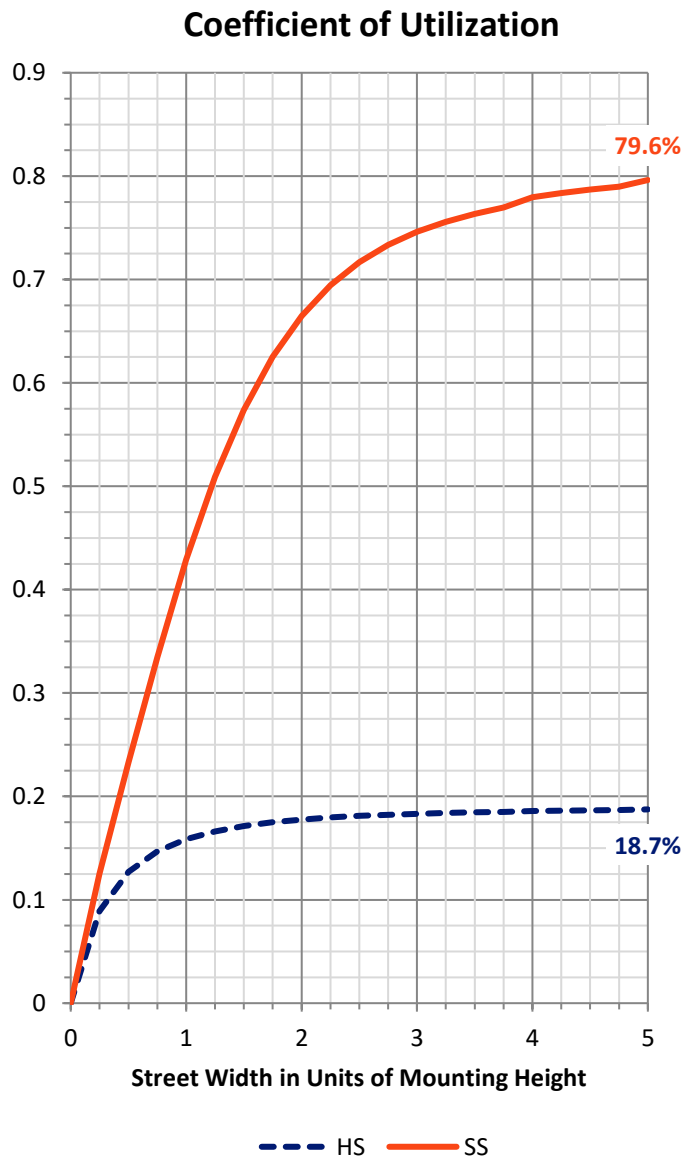
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	722.6	0.0	722.6
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	3074.2	0.0	3074.2
	% Fixture	81.0	0.0	81.0
Total	Lumens	3796.8	0.0	3796.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.2	2.5
10°-20°	198.9	5.2
20°-30°	291.0	7.7
30°-40°	410.0	10.8
40°-50°	563.5	14.8
50°-60°	768.0	20.2
60°-70°	840.5	22.1
70°-80°	485.3	12.8
80°-90°	145.3	3.8
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°-90°	3796.8	100.0
0°-180°	3796.8	100.0



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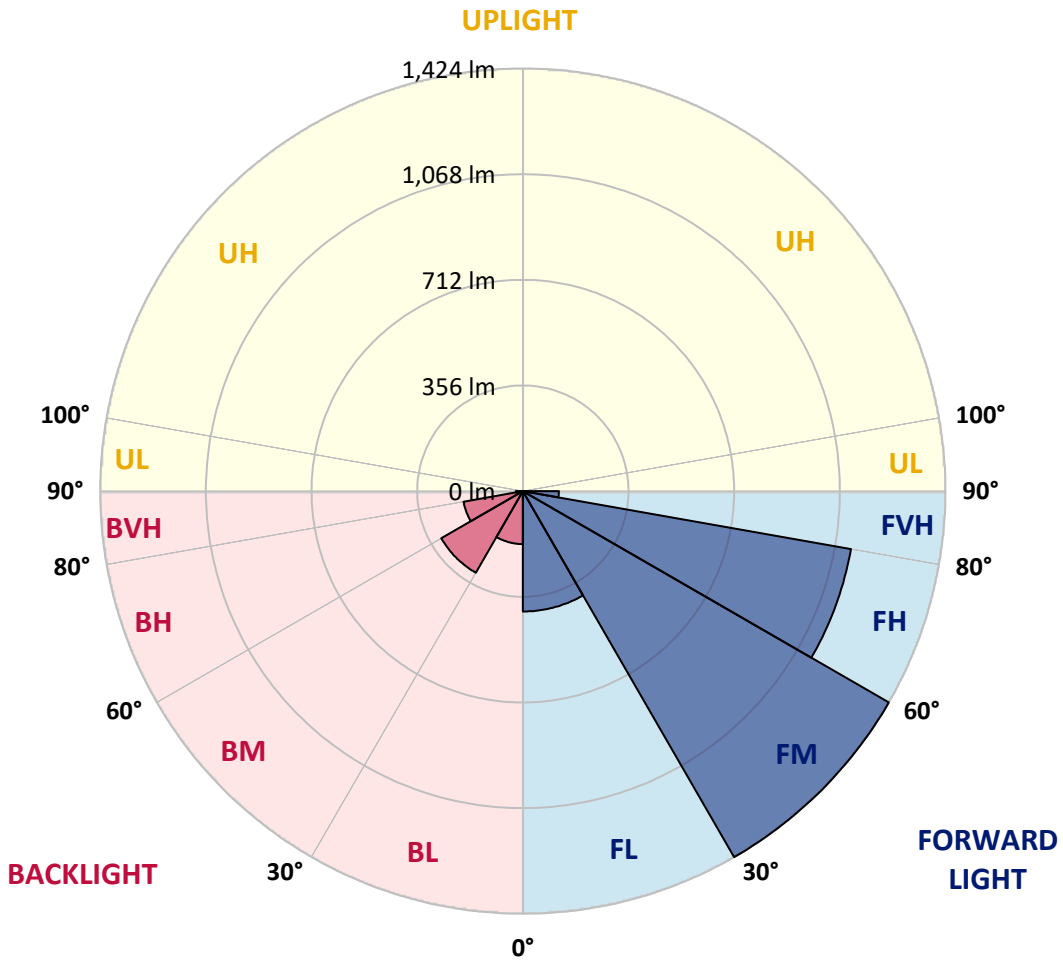
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	405.6	10.7			
FM	(30°-60°)	1424.1	37.5			
FH	(60°-80°)	1122.8	29.6			G1/1800
FVH	(80°-90°)	121.6	3.2			G2/225
BL	(0°-30°)	178.5	4.7	B1/500		
BM	(30°-60°)	317.4	8.4	B1/1000		
BH	(60°-80°)	202.9	5.3	B1/500		G1/500
BVH	(80°-90°)	23.7	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1212.7	1212.7	1212.7	1212.7	1212.7	*1212.7*	1212.7	1212.7	1212.7	1212.7	1212.7
2.5°	1298.6	1293.5	1298.6	1317.1	1322.1	*1330.6*	1330.6	1318.8	1296.9	1286.8	1269.9
5°	1327.2	1318.8	1360.9	1399.6	1429.9	*1426.6*	1397.9	1374.4	1330.6	1264.9	1202.6
7.5°	1269.9	1278.4	1308.7	1409.7	1480.5	*1493.9*	1448.5	1401.3	1307.0	1216.0	1131.8
10°	1162.1	1173.9	1239.6	1344.0	1455.2	*1477.1*	1448.5	1391.2	1278.4	1165.5	1067.8
12.5°	1109.9	1136.9	1175.6	1301.9	1381.1	*1433.3*	1419.8	1382.8	1256.5	1123.4	1029.1
15°	1109.9	1116.7	1173.9	1280.0	1325.5	*1327.2*	1332.2	1339.0	1263.2	1141.9	1015.6
17.5°	1145.3	1163.8	1212.7	1278.4	1286.8	*1266.6*	1266.6	1295.2	1276.7	1194.1	1064.5
20°	1231.2	1224.5	1288.5	1315.4	1269.9	*1219.4*	1214.3	1263.2	1291.8	1249.7	1153.7
22.5°	1317.1	1347.4	1399.6	1339.0	1254.8	*1187.4*	1180.7	1241.3	1337.3	1345.7	1256.5
25°	1446.8	1477.1	1504.0	1429.9	1253.1	*1179.0*	1184.0	1231.2	1392.9	1482.1	1428.3
27.5°	1586.6	1605.1	1643.8	1529.3	1293.5	*1168.9*	1173.9	1244.7	1445.1	1571.4	1563.0
30°	1665.7	1685.9	1677.5	1547.8	1320.5	*1175.6*	1162.1	1263.2	1416.5	1571.4	1650.6
32.5°	1743.2	1731.4	1726.4	1578.1	1354.1	*1217.7*	1184.0	1301.9	1433.3	1596.7	1763.4
35°	1837.5	1820.7	1807.2	1637.1	1409.7	*1258.1*	1243.0	1352.5	1470.4	1648.9	1854.4
37.5°	1941.9	1941.9	1876.3	1680.9	1475.4	*1323.8*	1307.0	1424.9	1529.3	1680.9	1979.0
40°	2064.9	2070.0	1953.7	1739.8	1549.5	*1428.3*	1423.2	1519.2	1586.6	1728.0	2098.6
42.5°	2155.8	2159.2	2021.1	1761.7	1635.4	*1573.1*	1595.0	1670.8	1652.3	1770.2	2107.0
45°	2218.2	2201.3	2068.3	1824.1	1729.7	*1790.4*	1797.1	1819.0	1738.2	1795.4	2140.7
47.5°	2248.5	2245.1	2088.5	1896.5	1928.5	*2011.0*	2049.7	2019.4	1817.3	1768.5	2140.7
50°	2278.8	2250.2	2107.0	1995.8	2122.2	*2288.9*	2280.5	2224.9	1926.8	1802.2	2108.7
52.5°	2299.0	2273.7	2144.1	2085.1	2307.4	*2496.1*	2529.8	2427.0	2054.8	1864.5	2123.8
55°	2371.4	2351.2	2255.2	2206.4	2521.3	*2715.0*	2720.1	2576.9	2189.5	1967.2	2223.2
57.5°	2459.0	2470.8	2408.5	2378.2	2684.7	*2875.0*	2856.5	2688.1	2304.1	2091.8	2337.7
60°	*2521.3*	*2539.9*	*2524.7*	*2528.1*	*2765.6*	*2928.9*	*2886.8*	*2757.1*	*2388.3*	*2186.2*	*2477.5*
62.5°	2487.6	2524.7	2587.0	2573.5	2768.9	*2890.2*	2831.2	2666.2	2398.4	2309.1	2583.7
65°	2395.0	2398.4	2519.6	2593.8	2617.3	*2689.8*	2612.3	2475.9	2294.0	2384.9	2568.5
67.5°	2157.5	2184.5	2294.0	2438.8	2339.4	*2356.3*	2349.5	2152.5	2135.6	2332.7	2452.3
70°	1904.9	1923.4	2043.0	2213.1	1975.6	*1896.5*	1911.6	1765.1	1834.2	2171.0	2218.2
72.5°	1574.8	1586.6	1723.0	1872.9	1584.9	*1443.4*	1478.8	1359.2	1456.9	1899.8	1871.2
75°	1189.1	1211.0	1317.1	1493.9	1167.2	*1076.2*	1111.6	1062.8	1153.7	1564.7	1451.8
77.5°	845.5	828.7	960.0	1168.9	877.5	*823.6*	827.0	835.4	933.1	1318.8	1042.6
80°	576.0	581.1	699.0	857.3	688.9	*680.4*	672.0	739.4	783.2	1044.2	757.9
82.5°	341.9	341.9	471.6	609.7	544.0	*613.1*	574.3	635.0	613.1	768.0	496.9
85°	160.0	160.0	242.5	439.6	421.1	*505.3*	429.5	480.0	453.1	535.6	224.0
87.5°	26.9	23.6	48.8	215.6	173.5	*197.1*	77.5	256.0	284.6	373.9	55.6
90°	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7
2.5°	1251.4	1239.6	1216.0	1185.7	1160.5	1128.5	1118.3	1096.5	1066.1	1062.8	1049.3
5°	1179.0	1138.6	1088.0	1025.7	983.6	939.8	902.8	880.9	855.6	852.2	845.5
7.5°	1099.8	1049.3	965.1	891.0	818.5	749.5	715.8	673.7	645.1	623.2	613.1
10°	1025.7	978.6	874.1	773.1	709.1	663.6	623.2	579.4	544.0	517.1	507.0
12.5°	976.9	921.3	808.4	712.4	665.3	613.1	567.6	520.4	475.0	439.6	421.1
15°	955.0	902.8	788.2	682.1	613.1	540.6	488.4	441.3	385.7	360.4	352.0
17.5°	1007.2	929.7	781.5	646.8	549.1	466.5	402.5	352.0	311.6	286.3	276.2
20°	1074.6	978.6	793.3	604.6	488.4	395.8	325.1	271.2	244.2	225.7	224.0
22.5°	1160.5	1051.0	811.8	574.3	421.1	318.3	254.3	222.3	203.8	202.1	198.7
25°	1313.7	1182.3	842.1	533.9	367.2	262.7	217.3	198.7	190.3	185.3	188.6
27.5°	1445.1	1268.2	864.0	508.6	345.3	247.6	210.5	190.3	181.9	180.2	181.9
30°	1522.6	1347.4	857.3	461.5	301.5	235.8	224.0	217.3	200.4	187.0	187.0
32.5°	1593.3	1397.9	855.6	419.4	257.7	197.1	187.0	181.9	192.0	198.7	193.7
35°	1691.0	1477.1	850.5	395.8	239.2	181.9	165.1	151.6	144.8	141.5	146.5
37.5°	1795.4	1531.0	837.1	392.4	229.1	173.5	160.0	146.5	139.8	136.4	134.7
40°	1909.9	1588.3	821.9	375.6	224.0	168.4	155.0	143.2	134.7	129.7	128.0
42.5°	1984.1	1633.7	806.8	367.2	213.9	165.1	149.9	139.8	131.4	124.6	124.6
45°	2026.2	1687.6	791.6	358.7	202.1	166.7	149.9	136.4	126.3	123.0	119.6
47.5°	2044.7	1728.0	786.5	345.3	192.0	160.0	146.5	133.1	123.0	116.2	114.5
50°	2093.5	1813.9	805.1	335.2	180.2	153.3	155.0	131.4	121.3	112.8	111.2
52.5°	2122.2	1883.0	845.5	320.0	171.8	144.8	151.6	128.0	116.2	107.8	107.8
55°	2226.6	1997.5	889.3	308.2	161.7	133.1	139.8	121.3	107.8	102.7	102.7
57.5°	2359.6	2118.8	926.3	303.2	155.0	124.6	124.6	117.9	102.7	96.0	94.3
60°	*2452.3*	*2218.2*	*948.2*	*299.8*	*148.2*	*116.2*	*111.2*	*117.9*	*97.7*	*90.9*	*89.3*
62.5°	2462.4	2160.9	926.3	298.1	146.5	107.8	101.1	112.8	92.6	85.9	82.5
65°	2398.4	2044.7	865.7	291.4	144.8	99.4	94.3	97.7	85.9	80.8	77.5
67.5°	2270.4	1856.1	778.1	288.0	143.2	92.6	85.9	84.2	79.2	74.1	70.7
70°	1972.3	1610.1	675.4	272.8	139.8	87.6	77.5	75.8	70.7	67.4	65.7
72.5°	1655.6	1317.1	557.5	252.6	133.1	79.2	70.7	67.4	65.7	60.6	58.9
75°	1268.2	1013.9	446.3	224.0	116.2	70.7	62.3	58.9	57.3	53.9	52.2
77.5°	891.0	754.5	330.1	181.9	97.7	64.0	55.6	52.2	50.5	45.5	45.5
80°	604.6	528.9	224.0	126.3	75.8	52.2	48.8	45.5	42.1	38.7	38.7
82.5°	375.6	370.5	161.7	82.5	55.6	42.1	38.7	38.7	33.7	30.3	30.3
85°	171.8	227.4	112.8	57.3	42.1	32.0	32.0	30.3	26.9	21.9	21.9
87.5°	53.9	75.8	58.9	25.3	23.6	18.5	18.5	16.8	16.8	13.5	13.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7
2.5°	1062.8	1061.1	1061.1	1054.3	1071.2	1071.2	1081.3	1072.9	1077.9	1079.6	1093.1
5°	843.8	857.3	867.4	887.6	899.4	904.4	904.4	917.9	912.9	923.0	943.2
7.5°	618.1	635.0	665.3	690.5	710.8	717.5	715.8	719.2	724.2	712.4	715.8
10°	500.2	488.4	498.5	522.1	540.6	562.5	545.7	544.0	549.1	544.0	554.1
12.5°	417.7	404.2	395.8	395.8	409.3	419.4	414.3	422.7	441.3	446.3	458.1
15°	338.5	326.7	320.0	311.6	325.1	328.4	333.5	345.3	358.7	365.5	379.0
17.5°	271.2	271.2	271.2	264.4	269.5	274.5	276.2	291.4	293.1	299.8	304.9
20°	222.3	227.4	235.8	239.2	244.2	244.2	240.8	249.3	242.5	247.6	251.0
22.5°	200.4	207.2	210.5	212.2	219.0	220.6	212.2	213.9	215.6	210.5	212.2
25°	188.6	192.0	188.6	190.3	192.0	188.6	190.3	193.7	192.0	195.4	193.7
27.5°	183.6	180.2	178.5	176.8	176.8	173.5	175.2	175.2	178.5	180.2	180.2
30°	183.6	178.5	171.8	166.7	166.7	161.7	165.1	168.4	170.1	173.5	173.5
32.5°	188.6	178.5	166.7	161.7	156.6	153.3	156.6	161.7	168.4	170.1	171.8
35°	149.9	155.0	153.3	146.5	144.8	144.8	143.2	143.2	138.1	138.1	136.4
37.5°	134.7	133.1	136.4	138.1	139.8	134.7	134.7	128.0	126.3	128.0	128.0
40°	126.3	126.3	126.3	131.4	133.1	129.7	124.6	121.3	121.3	121.3	123.0
42.5°	123.0	119.6	117.9	121.3	126.3	123.0	117.9	116.2	116.2	117.9	117.9
45°	117.9	116.2	114.5	112.8	119.6	114.5	112.8	111.2	111.2	111.2	112.8
47.5°	112.8	111.2	107.8	107.8	109.5	107.8	106.1	106.1	106.1	109.5	109.5
50°	109.5	107.8	104.4	104.4	104.4	104.4	102.7	102.7	102.7	104.4	106.1
52.5°	104.4	102.7	101.1	99.4	99.4	99.4	99.4	99.4	99.4	101.1	102.7
55°	99.4	97.7	96.0	96.0	97.7	97.7	96.0	97.7	96.0	97.7	99.4
57.5°	94.3	92.6	90.9	92.6	94.3	92.6	92.6	92.6	92.6	92.6	94.3
60°	*87.6*	*87.6*	*87.6*	*87.6*	*90.9*	*90.9*	*90.9*	*90.9*	*87.6*	*89.3*	*90.9*
62.5°	84.2	82.5	82.5	84.2	85.9	85.9	87.6	85.9	84.2	85.9	85.9
65°	77.5	77.5	77.5	79.2	79.2	80.8	80.8	80.8	79.2	80.8	80.8
67.5°	72.4	72.4	72.4	72.4	75.8	75.8	75.8	75.8	74.1	74.1	75.8
70°	64.0	65.7	64.0	67.4	70.7	69.1	70.7	70.7	69.1	67.4	70.7
72.5°	58.9	58.9	58.9	58.9	64.0	64.0	64.0	65.7	64.0	62.3	64.0
75°	52.2	52.2	52.2	53.9	57.3	57.3	57.3	57.3	57.3	55.6	55.6
77.5°	45.5	47.2	45.5	47.2	50.5	48.8	50.5	52.2	50.5	48.8	48.8
80°	38.7	38.7	38.7	40.4	42.1	42.1	42.1	43.8	42.1	40.4	40.4
82.5°	30.3	30.3	32.0	32.0	33.7	33.7	33.7	35.4	33.7	32.0	32.0
85°	23.6	23.6	23.6	25.3	25.3	26.9	26.9	28.6	28.6	26.9	26.9
87.5°	15.2	13.5	15.2	15.2	16.8	16.8	15.2	13.5	15.2	13.5	11.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P671651
CATALOG NUMBER: CCP-SA-2A-727-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7
2.5°	1106.6	1136.9	1158.8	1173.9	1195.8	1237.9	1254.8	1285.1	1293.5	1298.6
5°	951.6	983.6	1030.8	1064.5	1103.2	1182.3	1243.0	1288.5	1308.7	1327.2
7.5°	746.1	788.2	837.1	880.9	944.9	1042.6	1121.7	1216.0	1251.4	1269.9
10°	582.8	621.5	675.4	729.3	818.5	901.1	1013.9	1099.8	1148.7	1162.1
12.5°	491.8	537.3	601.3	667.0	722.5	816.9	931.4	1056.0	1101.5	1109.9
15°	417.7	480.0	545.7	613.1	677.1	759.6	882.6	1034.1	1101.5	1109.9
17.5°	345.3	400.9	478.3	550.8	624.9	737.7	891.0	1052.7	1120.0	1145.3
20°	274.5	328.4	389.1	480.0	581.1	700.7	909.5	1115.0	1204.2	1231.2
22.5°	227.4	251.0	309.9	397.5	517.1	675.4	928.0	1212.7	1307.0	1317.1
25°	198.7	215.6	252.6	335.2	466.5	658.5	971.8	1325.5	1446.8	1446.8
27.5°	185.3	192.0	217.3	291.4	431.2	643.4	1015.6	1450.1	1563.0	1586.6
30°	181.9	198.7	212.2	259.4	392.4	601.3	1056.0	1547.8	1664.0	1665.7
32.5°	178.5	175.2	185.3	225.7	345.3	557.5	1089.7	1647.2	1738.2	1743.2
35°	139.8	146.5	163.4	198.7	309.9	525.5	1106.6	1701.1	1832.5	1837.5
37.5°	131.4	139.8	153.3	183.6	286.3	498.5	1111.6	1805.5	1931.8	1941.9
40°	128.0	134.7	144.8	170.1	267.8	464.9	1121.7	1913.3	2078.4	2064.9
42.5°	121.3	129.7	139.8	163.4	252.6	439.6	1123.4	1972.3	2155.8	2155.8
45°	119.6	124.6	136.4	163.4	235.8	417.7	1096.5	2031.2	2245.1	2218.2
47.5°	112.8	123.0	133.1	158.3	215.6	395.8	1064.5	2061.5	2256.9	2248.5
50°	111.2	121.3	138.1	149.9	203.8	385.7	1057.7	2137.3	2280.5	2278.8
52.5°	107.8	117.9	143.2	143.2	188.6	372.2	1089.7	2171.0	2285.5	2299.0
55°	102.7	117.9	133.1	131.4	175.2	355.4	1125.1	2258.6	2374.8	2371.4
57.5°	99.4	114.5	126.3	119.6	160.0	343.6	1177.3	2342.8	2482.6	2459.0
60°	*94.3*	*114.5*	*112.8*	*111.2*	*148.2*	*333.5*	*1221.1*	*2359.6*	*2506.2*	*2521.3*
62.5°	90.9	119.6	99.4	102.7	138.1	328.4	1202.6	2233.3	2474.2	2487.6
65°	87.6	102.7	90.9	94.3	134.7	318.3	1130.1	2081.7	2336.1	2395.0
67.5°	80.8	84.2	84.2	87.6	131.4	294.7	981.9	1808.9	2125.5	2157.5
70°	74.1	75.8	75.8	80.8	128.0	267.8	810.1	1564.7	1844.3	1904.9
72.5°	67.4	67.4	67.4	74.1	117.9	245.9	667.0	1202.6	1532.7	1574.8
75°	58.9	58.9	58.9	65.7	106.1	224.0	525.5	894.3	1128.5	1189.1
77.5°	52.2	52.2	50.5	58.9	92.6	181.9	379.0	631.6	795.0	845.5
80°	43.8	42.1	42.1	47.2	72.4	131.4	244.2	446.3	554.1	576.0
82.5°	35.4	33.7	32.0	35.4	52.2	82.5	151.6	311.6	355.4	341.9
85°	33.7	35.4	28.6	26.9	37.1	53.9	96.0	192.0	160.0	160.0
87.5°	13.5	11.8	11.8	10.1	18.5	20.2	42.1	35.4	26.9	26.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)