

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: P#

Luminaire Tested: **8SNLED-LD5-75SL-LN-UNV-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33519)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-75SL-LN-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

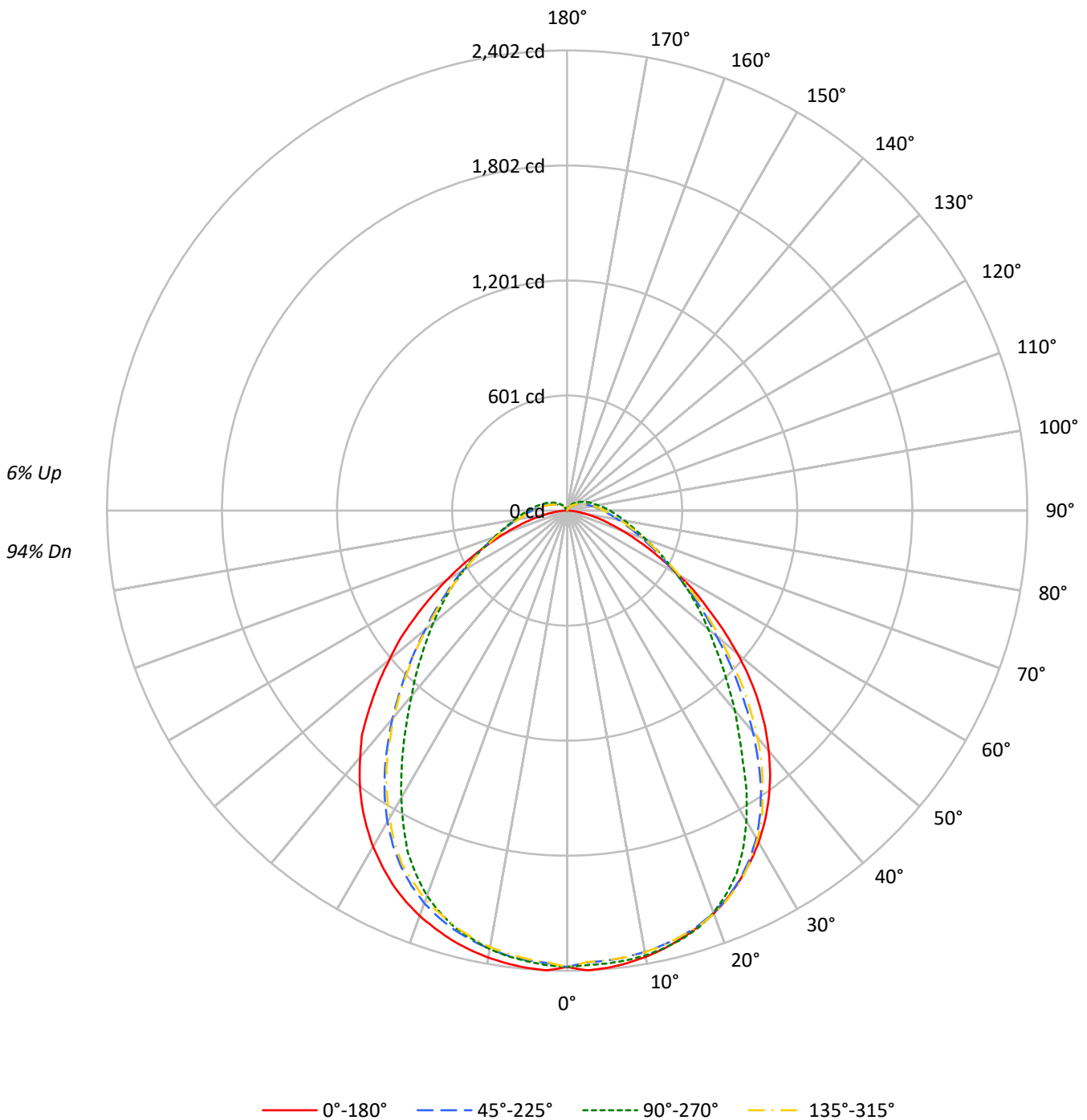
Lumens per Lamp: N/A
Luminaire Lumens: 6029.0 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.14 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 55
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	107	103	98	95	104	100	96	92	94	91	88	89	87	85	85	83	81	79				
2	98	90	84	78	95	88	82	77	83	78	74	79	75	72	75	72	69	67				
3	90	80	72	66	87	78	71	65	74	68	63	71	66	61	67	63	60	57				
4	83	72	63	57	80	70	62	56	67	60	55	64	58	53	61	56	52	50				
5	77	64	56	50	74	63	55	49	60	53	48	58	52	47	55	50	46	44				
6	71	58	50	44	69	57	49	43	55	48	42	52	46	42	50	45	41	39				
7	66	53	45	39	64	52	44	39	50	43	38	48	42	37	46	41	37	35				
8	62	49	41	35	60	48	40	35	46	39	34	44	38	34	43	37	33	31				
9	58	45	37	32	56	44	37	31	42	36	31	41	35	30	40	34	30	28				
10	54	42	34	29	53	41	34	29	39	33	28	38	32	28	37	31	27	26				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9626	9626	9626	9626
5°	9708	9319	9708	9278
10°	9678	9072	9694	8946
15°	9629	8801	9673	8571
20°	9569	8452	9625	8095
25°	9430	7935	9535	7468
30°	9246	7176	9367	6643
35°	8951	6244	9124	5814
40°	8521	5461	8746	5067
45°	7948	4747	8206	4475
50°	7157	4171	7472	3961
55°	6213	3684	6664	3498
60°	5248	3234	5722	3048
65°	4327	2860	4764	2652
70°	3473	2538	3889	2347
75°	2764	2343	3112	2155
80°	2046	2261	2409	2066
85°	1341	2274	1805	2090



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.9	3.7
10°-20°	647.6	10.7
20°-30°	959.8	15.9
30°-40°	1066.3	17.7
40°-50°	966.6	16.0
50°-60°	749.0	12.4
60°-70°	508.6	8.4
70°-80°	323.6	5.4
80°-90°	206.9	3.4
90°-100°	139.5	2.3
100°-110°	95.5	1.6
110°-120°	63.7	1.1
120°-130°	39.6	0.7
130°-140°	21.9	0.4
140°-150°	10.3	0.2
150°-160°	3.8	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	1833.3	30.4
0°-40°	2899.6	48.1
0°-60°	4615.3	76.6
0°-90°	5654.4	93.8
90°-120°	298.7	5.0
90°-150°	370.6	6.1
90°-180°	375.0	6.2
0°-180°	6029.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2382	2382	2382	2382	2382	
5°	2397	2373	2397	2363	2397	228
15°	2312	2316	2322	2255	2312	652
25°	2131	2091	2154	1968	2131	981
35°	1835	1599	1870	1489	1835	1144
45°	1413	1143	1458	1077	1413	1085
55°	902	803	967	763	902	812
65°	468	540	515	501	468	469
75°	187	360	211	332	187	202
85°	34	260	46	238	34	41
90°	0	224	3	204	0	2
95°	1	191	0	178	1	1
105°	1	140	0	132	1	1
115°	1	106	0	98	1	1
125°	1	79	1	70	1	1
135°	1	55	1	45	1	1
145°	1	35	1	25	1	1
155°	1	20	1	9	1	1
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3
2.5°	2402.0	2399.3	2396.7	2392.8	2396.7	2407.2	2400.7	2386.2	2383.6	2360.0	2370.5
5°	2396.7	2392.8	2390.2	2386.2	2391.5	2404.6	2398.0	2384.9	2381.0	2358.7	2370.5
7.5°	2383.6	2381.0	2377.1	2377.1	2382.3	2395.4	2390.2	2375.8	2373.1	2350.9	2364.0
10°	2365.3	2364.0	2361.3	2361.3	2366.6	2382.3	2375.8	2362.7	2360.0	2339.1	2353.5
12.5°	2341.7	2343.0	2339.1	2339.1	2346.9	2362.7	2357.4	2343.0	2340.4	2322.0	2336.4
15°	2311.5	2312.9	2310.2	2311.5	2319.4	2337.8	2331.2	2318.1	2315.5	2301.1	2312.9
17.5°	2277.5	2278.8	2278.8	2277.5	2286.7	2305.0	2299.8	2288.0	2284.0	2272.2	2286.7
20°	2238.2	2238.2	2238.2	2238.2	2248.6	2267.0	2260.4	2251.3	2243.4	2234.2	2246.0
22.5°	2189.7	2188.4	2189.7	2193.6	2204.1	2218.5	2214.6	2204.1	2192.3	2187.1	2196.2
25°	2130.7	2134.6	2136.0	2139.9	2153.0	2164.8	2160.9	2150.4	2132.0	2128.1	2130.7
27.5°	2069.1	2071.7	2075.7	2074.4	2092.7	2104.5	2096.6	2087.5	2061.3	2057.3	2054.7
30°	1999.7	2003.6	2006.2	2004.9	2019.3	2032.4	2024.6	2012.8	1977.4	1974.8	1953.8
32.5°	1921.0	1925.0	1927.6	1927.6	1948.6	1953.8	1939.4	1922.4	1884.4	1875.2	1856.8
35°	1834.6	1838.5	1839.8	1839.8	1860.8	1859.5	1841.1	1817.5	1775.6	1763.8	1732.4
37.5°	1741.5	1744.1	1745.5	1753.3	1762.5	1754.6	1731.0	1700.9	1669.5	1636.7	1602.6
40°	1636.7	1640.6	1643.2	1648.5	1657.7	1648.5	1614.4	1577.7	1543.7	1507.0	1472.9
42.5°	1529.2	1541.0	1538.4	1537.1	1542.3	1517.4	1491.2	1449.3	1415.2	1377.2	1343.2
45°	1412.6	1411.3	1417.9	1420.5	1419.2	1398.2	1361.5	1323.5	1289.4	1250.1	1221.3
47.5°	1289.4	1288.1	1293.4	1296.0	1288.1	1265.8	1237.0	1193.8	1164.9	1130.9	1108.6
50°	1159.7	1159.7	1167.6	1159.7	1155.8	1133.5	1109.9	1066.7	1044.4	1014.3	1001.1
52.5°	1030.0	1041.8	1033.9	1031.3	1027.4	1005.1	986.7	951.4	933.0	919.9	904.2
55°	901.6	914.7	909.4	905.5	904.2	885.8	868.8	842.6	830.8	821.6	812.4
57.5°	792.8	791.5	788.9	784.9	786.2	771.8	754.8	740.4	735.1	731.2	733.8
60°	667.0	677.5	673.5	674.9	676.2	673.5	659.1	650.0	651.3	652.6	656.5
62.5°	563.5	572.6	579.2	574.0	576.6	580.5	572.6	570.0	575.3	580.5	585.7
65°	467.8	477.0	483.5	482.2	490.1	498.0	496.6	499.3	511.1	517.6	524.2
67.5°	381.3	390.5	399.7	401.0	412.8	424.6	429.8	439.0	452.1	461.3	469.1
70°	306.6	314.5	325.0	331.5	347.3	363.0	372.2	390.5	398.4	411.5	416.7
72.5°	239.8	246.4	260.8	276.5	289.6	309.3	327.6	343.3	355.1	369.5	376.1
75°	187.4	190.0	205.7	224.1	242.4	264.7	284.4	301.4	317.1	331.5	342.0
77.5°	137.6	141.5	155.9	180.8	201.8	225.4	247.7	266.0	283.0	297.5	311.9
80°	95.7	103.5	119.2	144.1	167.7	193.9	214.9	235.9	254.2	268.6	283.0
82.5°	61.6	68.1	90.4	115.3	140.2	166.4	188.7	209.7	229.3	245.0	258.1
85°	34.1	43.2	65.5	91.7	116.6	142.8	166.4	187.4	207.0	221.5	234.6
87.5°	13.1	26.2	47.2	72.1	97.0	121.9	146.8	166.4	186.1	201.8	213.6
90°	0.0	15.7	35.4	60.3	85.2	110.1	133.7	154.6	173.0	187.4	200.5
92.5°	1.3	10.5	27.5	48.5	72.1	95.7	117.9	138.9	157.2	171.7	183.5
95°	1.3	7.9	22.3	41.9	62.9	85.2	106.1	125.8	142.8	157.2	169.0
97.5°	1.3	5.2	18.3	36.7	55.0	77.3	97.0	115.3	131.0	145.5	154.6
100°	1.3	5.2	15.7	31.4	49.8	69.5	87.8	106.1	120.6	132.4	142.8
102.5°	1.3	3.9	13.1	27.5	44.6	61.6	79.9	97.0	110.1	121.9	132.4
105°	1.3	3.9	11.8	23.6	39.3	56.3	72.1	87.8	102.2	112.7	121.9
107.5°	1.3	2.6	10.5	19.7	34.1	51.1	66.8	79.9	93.0	103.5	112.7
110°	1.3	2.6	9.2	18.3	30.1	45.9	60.3	73.4	85.2	95.7	103.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.3	2.6	7.9	17.0	27.5	40.6	55.0	66.8	78.6	87.8	95.7
115°	1.3	2.6	7.9	15.7	24.9	35.4	48.5	61.6	70.8	81.2	87.8
117.5°	1.3	2.6	6.6	13.1	23.6	32.8	44.6	55.0	65.5	74.7	81.2
120°	1.3	2.6	6.6	11.8	21.0	30.1	39.3	49.8	60.3	66.8	73.4
122.5°	1.3	2.6	5.2	11.8	18.3	27.5	35.4	44.6	53.7	61.6	68.1
125°	1.3	2.6	5.2	10.5	17.0	24.9	32.8	39.3	48.5	55.0	61.6
127.5°	1.3	2.6	5.2	9.2	15.7	22.3	30.1	36.7	43.2	49.8	55.0
130°	1.3	2.6	3.9	7.9	14.4	19.7	26.2	34.1	39.3	44.6	49.8
132.5°	1.3	2.6	3.9	7.9	11.8	17.0	23.6	30.1	35.4	40.6	44.6
135°	1.3	2.6	3.9	6.6	10.5	15.7	19.7	26.2	31.4	36.7	40.6
137.5°	1.3	2.6	3.9	6.6	9.2	13.1	17.0	22.3	27.5	31.4	36.7
140°	1.3	2.6	3.9	5.2	7.9	11.8	15.7	18.3	23.6	27.5	31.4
142.5°	1.3	2.6	3.9	5.2	7.9	10.5	13.1	15.7	19.7	23.6	27.5
145°	1.3	2.6	3.9	5.2	6.6	9.2	11.8	14.4	15.7	19.7	22.3
147.5°	1.3	2.6	3.9	5.2	5.2	7.9	10.5	11.8	14.4	15.7	18.3
150°	1.3	2.6	3.9	3.9	5.2	6.6	9.2	10.5	11.8	14.4	15.7
152.5°	1.3	2.6	3.9	3.9	5.2	6.6	7.9	9.2	10.5	11.8	13.1
155°	1.3	2.6	3.9	3.9	3.9	5.2	6.6	7.9	9.2	10.5	11.8
157.5°	2.6	2.6	2.6	3.9	3.9	5.2	5.2	6.6	7.9	7.9	9.2
160°	2.6	2.6	2.6	3.9	3.9	3.9	5.2	5.2	6.6	6.6	7.9
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3
2.5°	2367.9	2371.8	2383.6	2383.6	2381.0	2378.4	2378.4	2374.4	2377.1	2382.3	2379.7
5°	2367.9	2371.8	2383.6	2383.6	2381.0	2378.4	2377.1	2373.1	2377.1	2382.3	2379.7
7.5°	2360.0	2365.3	2377.1	2377.1	2374.4	2373.1	2370.5	2367.9	2371.8	2377.1	2374.4
10°	2349.5	2354.8	2366.6	2366.6	2364.0	2364.0	2360.0	2357.4	2362.7	2366.6	2365.3
12.5°	2333.8	2340.4	2350.9	2349.5	2346.9	2348.2	2344.3	2339.1	2344.3	2348.2	2349.5
15°	2311.5	2319.4	2329.9	2327.3	2323.3	2326.0	2319.4	2315.5	2319.4	2327.3	2326.0
17.5°	2282.7	2288.0	2295.8	2295.8	2291.9	2289.3	2286.7	2282.7	2285.3	2290.6	2291.9
20°	2242.1	2248.6	2252.6	2248.6	2247.3	2243.4	2238.2	2234.2	2239.5	2247.3	2248.6
22.5°	2188.4	2189.7	2198.9	2189.7	2183.1	2181.8	2176.6	2168.7	2176.6	2183.1	2184.4
25°	2121.5	2128.1	2124.2	2108.4	2108.4	2098.0	2095.3	2091.4	2092.7	2104.5	2109.7
27.5°	2036.4	2039.0	2028.5	2015.4	2003.6	1997.1	1987.9	1989.2	1989.2	2004.9	2010.2
30°	1943.3	1928.9	1919.7	1898.8	1889.6	1873.9	1871.3	1871.3	1868.6	1876.5	1900.1
32.5°	1831.9	1812.3	1797.9	1778.2	1762.5	1746.8	1738.9	1742.8	1741.5	1761.2	1769.0
35°	1710.1	1698.3	1668.1	1643.2	1634.1	1610.5	1610.5	1598.7	1606.6	1628.8	1638.0
37.5°	1581.7	1563.3	1538.4	1510.9	1504.3	1486.0	1479.4	1472.9	1489.9	1493.9	1503.0
40°	1450.6	1433.6	1410.0	1383.8	1383.8	1361.5	1361.5	1361.5	1362.8	1370.7	1387.7
42.5°	1326.1	1307.8	1286.8	1268.5	1265.8	1248.8	1248.8	1247.5	1250.1	1256.7	1272.4
45°	1205.6	1191.2	1168.9	1159.7	1161.0	1142.7	1146.6	1142.7	1147.9	1154.5	1159.7
47.5°	1094.2	1085.0	1075.8	1062.7	1058.8	1057.5	1050.9	1045.7	1054.9	1054.9	1062.7
50°	990.7	985.4	980.2	972.3	973.6	968.4	960.5	960.5	967.1	968.4	973.6
52.5°	900.2	893.7	887.1	888.5	889.8	887.1	883.2	879.3	883.2	885.8	892.4
55°	809.8	804.6	811.1	808.5	811.1	808.5	805.9	803.3	809.8	805.9	812.4
57.5°	728.6	733.8	736.4	731.2	735.1	732.5	733.8	729.9	735.1	737.8	736.4
60°	653.9	661.8	657.8	659.1	664.4	661.8	656.5	660.4	665.7	667.0	665.7
62.5°	585.7	594.9	598.9	596.2	597.5	594.9	598.9	593.6	600.2	602.8	598.9
65°	524.2	534.6	537.3	537.3	537.3	534.6	538.6	539.9	542.5	542.5	539.9
67.5°	471.7	480.9	483.5	486.2	483.5	480.9	480.9	482.2	487.5	490.1	487.5
70°	424.6	433.7	435.1	435.1	436.4	439.0	433.7	436.4	440.3	441.6	440.3
72.5°	383.9	393.1	395.7	394.4	395.7	397.1	397.1	394.4	398.4	401.0	401.0
75°	351.2	356.4	359.1	359.1	360.4	361.7	361.7	360.4	363.0	364.3	365.6
77.5°	321.0	325.0	328.9	328.9	330.2	328.9	331.5	331.5	332.8	334.2	335.5
80°	290.9	296.2	298.8	300.1	302.7	304.0	304.0	304.0	305.3	306.6	306.6
82.5°	267.3	271.3	275.2	279.1	279.1	280.4	280.4	280.4	281.7	281.7	283.0
85°	243.7	249.0	252.9	255.5	256.8	258.1	258.1	259.5	259.5	259.5	260.8
87.5°	222.8	229.3	231.9	234.6	235.9	238.5	238.5	238.5	239.8	239.8	239.8
90°	208.4	214.9	217.5	220.1	221.5	222.8	222.8	224.1	224.1	225.4	225.4
92.5°	191.3	197.9	203.1	203.1	204.4	207.0	205.7	205.7	207.0	208.4	208.4
95°	178.2	183.5	187.4	188.7	190.0	190.0	190.0	191.3	190.0	191.3	191.3
97.5°	162.5	167.7	171.7	174.3	175.6	175.6	175.6	176.9	175.6	176.9	176.9
100°	149.4	154.6	158.6	159.9	162.5	162.5	162.5	162.5	162.5	162.5	163.8
102.5°	138.9	144.1	146.8	148.1	149.4	150.7	150.7	150.7	150.7	152.0	152.0
105°	128.4	133.7	136.3	137.6	138.9	140.2	140.2	140.2	141.5	141.5	140.2
107.5°	119.2	123.2	125.8	128.4	129.7	129.7	131.0	131.0	131.0	131.0	131.0
110°	110.1	114.0	117.9	120.6	120.6	121.9	121.9	123.2	123.2	121.9	123.2



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	100.9	106.1	108.8	111.4	112.7	114.0	114.0	114.0	114.0	114.0	114.0
115°	93.0	98.3	100.9	103.5	104.8	106.1	106.1	106.1	106.1	106.1	106.1
117.5°	86.5	91.7	94.3	95.7	97.0	98.3	99.6	99.6	99.6	99.6	98.3
120°	79.9	83.9	86.5	89.1	90.4	91.7	91.7	91.7	91.7	91.7	91.7
122.5°	73.4	77.3	79.9	82.6	83.9	85.2	85.2	85.2	85.2	85.2	85.2
125°	66.8	70.8	73.4	76.0	77.3	78.6	78.6	78.6	78.6	78.6	78.6
127.5°	60.3	64.2	68.1	69.5	70.8	72.1	72.1	72.1	73.4	72.1	72.1
130°	53.7	57.7	61.6	62.9	64.2	65.5	66.8	66.8	66.8	66.8	65.5
132.5°	48.5	52.4	55.0	56.3	59.0	59.0	60.3	60.3	60.3	60.3	59.0
135°	44.6	47.2	49.8	51.1	53.7	53.7	53.7	55.0	55.0	53.7	52.4
137.5°	39.3	41.9	44.6	45.9	47.2	48.5	48.5	49.8	48.5	48.5	48.5
140°	36.7	38.0	40.6	41.9	43.2	43.2	43.2	44.6	44.6	43.2	43.2
142.5°	31.4	34.1	36.7	38.0	39.3	39.3	39.3	39.3	39.3	39.3	39.3
145°	26.2	30.1	31.4	34.1	34.1	35.4	35.4	35.4	35.4	35.4	34.1
147.5°	22.3	24.9	28.8	30.1	30.1	31.4	31.4	31.4	31.4	31.4	30.1
150°	17.0	19.7	23.6	26.2	26.2	27.5	27.5	27.5	27.5	26.2	26.2
152.5°	14.4	17.0	18.3	21.0	22.3	22.3	22.3	23.6	22.3	22.3	22.3
155°	13.1	14.4	15.7	17.0	18.3	19.7	19.7	19.7	19.7	18.3	18.3
157.5°	10.5	11.8	13.1	14.4	15.7	17.0	17.0	17.0	17.0	17.0	15.7
160°	7.9	9.2	10.5	10.5	11.8	13.1	14.4	13.1	13.1	13.1	13.1
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3
2.5°	2377.1	2375.8	2379.7	2373.1	2353.5	2358.7	2356.1	2367.9	2370.5	2373.1	2384.9
5°	2377.1	2375.8	2378.4	2373.1	2352.2	2356.1	2353.5	2365.3	2367.9	2369.2	2381.0
7.5°	2371.8	2370.5	2374.4	2367.9	2345.6	2350.9	2346.9	2358.7	2360.0	2361.3	2371.8
10°	2361.3	2360.0	2362.7	2357.4	2335.1	2340.4	2335.1	2346.9	2346.9	2349.5	2357.4
12.5°	2345.6	2343.0	2348.2	2341.7	2316.8	2323.3	2320.7	2328.6	2329.9	2331.2	2339.1
15°	2323.3	2320.7	2324.7	2320.7	2298.4	2299.8	2295.8	2307.6	2308.9	2306.3	2314.2
17.5°	2290.6	2288.0	2295.8	2293.2	2270.9	2276.2	2274.9	2277.5	2281.4	2274.9	2285.3
20°	2250.0	2252.6	2255.2	2256.5	2239.5	2239.5	2238.2	2243.4	2247.3	2242.1	2250.0
22.5°	2189.7	2196.2	2204.1	2206.7	2194.9	2193.6	2201.5	2198.9	2202.8	2200.2	2205.4
25°	2113.7	2126.8	2134.6	2142.5	2136.0	2138.6	2150.4	2153.0	2153.0	2151.7	2156.9
27.5°	2019.3	2036.4	2050.8	2067.8	2061.3	2066.5	2086.2	2088.8	2094.0	2088.8	2099.3
30°	1906.6	1922.4	1949.9	1974.8	1977.4	1985.3	2012.8	2015.4	2029.8	2024.6	2028.5
32.5°	1793.9	1801.8	1833.3	1858.1	1873.9	1893.5	1923.7	1928.9	1948.6	1952.5	1952.5
35°	1652.4	1674.7	1703.5	1738.9	1758.6	1779.5	1820.1	1828.0	1856.8	1866.0	1876.5
37.5°	1533.2	1554.1	1572.5	1609.2	1644.6	1668.1	1700.9	1720.6	1750.7	1767.7	1780.8
40°	1406.1	1423.1	1442.8	1479.4	1509.6	1545.0	1577.7	1601.3	1639.3	1659.0	1676.0
42.5°	1285.5	1298.6	1319.6	1345.8	1377.2	1416.5	1448.0	1475.5	1516.1	1543.7	1563.3
45°	1178.1	1185.9	1204.3	1223.9	1251.4	1292.1	1322.2	1357.6	1390.3	1419.2	1442.8
47.5°	1077.2	1087.6	1096.8	1109.9	1134.8	1159.7	1195.1	1229.2	1261.9	1293.4	1317.0
50°	984.1	984.1	998.5	1007.7	1024.7	1047.0	1074.5	1098.1	1138.7	1161.0	1191.2
52.5°	893.7	898.9	906.8	912.0	925.1	939.6	961.8	981.5	1015.6	1036.5	1065.4
55°	813.8	819.0	822.9	825.6	833.4	850.5	858.3	874.0	897.6	914.7	939.6
57.5°	737.8	740.4	744.3	745.6	746.9	757.4	764.0	767.9	791.5	808.5	829.5
60°	668.3	668.3	672.2	670.9	669.6	674.9	673.5	677.5	691.9	702.4	711.5
62.5°	602.8	602.8	604.1	601.5	600.2	600.2	594.9	598.9	602.8	604.1	610.6
65°	542.5	549.1	543.8	545.1	537.3	534.6	532.0	524.2	522.9	517.6	520.2
67.5°	488.8	494.0	488.8	488.8	482.2	477.0	470.4	457.3	453.4	442.9	440.3
70°	445.5	441.6	444.2	440.3	432.4	425.9	416.7	406.2	393.1	380.0	370.8
72.5°	403.6	403.6	401.0	397.1	393.1	380.0	369.5	357.7	342.0	325.0	311.9
75°	363.0	364.3	364.3	360.4	353.8	342.0	330.2	313.2	296.2	276.5	259.5
77.5°	334.2	334.2	334.2	327.6	321.0	310.6	296.2	277.8	259.5	235.9	216.2
80°	306.6	305.3	305.3	297.5	290.9	279.1	264.7	246.4	226.7	201.8	179.5
82.5°	284.4	283.0	280.4	273.9	264.7	252.9	238.5	218.8	197.9	175.6	148.1
85°	260.8	259.5	256.8	250.3	241.1	230.6	214.9	195.2	174.3	149.4	123.2
87.5°	239.8	238.5	234.6	230.6	220.1	208.4	192.6	174.3	152.0	128.4	102.2
90°	225.4	222.8	220.1	214.9	205.7	192.6	176.9	157.2	135.0	111.4	85.2
92.5°	208.4	207.0	203.1	197.9	190.0	176.9	161.2	142.8	120.6	98.3	73.4
95°	191.3	190.0	187.4	182.1	174.3	162.5	148.1	129.7	108.8	86.5	64.2
97.5°	175.6	175.6	171.7	167.7	158.6	149.4	135.0	117.9	98.3	78.6	57.7
100°	162.5	162.5	158.6	153.3	146.8	137.6	123.2	107.5	89.1	70.8	49.8
102.5°	150.7	149.4	146.8	141.5	135.0	125.8	112.7	98.3	81.2	62.9	44.6
105°	140.2	138.9	136.3	131.0	125.8	115.3	104.8	90.4	73.4	56.3	39.3
107.5°	129.7	128.4	127.1	121.9	115.3	106.1	95.7	81.2	66.8	51.1	35.4
110°	120.6	119.2	116.6	111.4	104.8	97.0	86.5	74.7	60.3	45.9	31.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	112.7	111.4	108.8	103.5	98.3	89.1	79.9	66.8	55.0	41.9	27.5
115°	104.8	103.5	100.9	95.7	89.1	81.2	72.1	61.6	48.5	36.7	24.9
117.5°	97.0	95.7	93.0	89.1	82.6	74.7	65.5	55.0	43.2	34.1	22.3
120°	90.4	87.8	85.2	81.2	74.7	68.1	59.0	49.8	39.3	30.1	19.7
122.5°	83.9	81.2	78.6	74.7	68.1	61.6	52.4	44.6	36.7	27.5	18.3
125°	76.0	74.7	72.1	68.1	61.6	55.0	48.5	40.6	32.8	24.9	15.7
127.5°	69.5	68.1	65.5	60.3	55.0	49.8	43.2	36.7	28.8	21.0	14.4
130°	64.2	61.6	59.0	55.0	51.1	45.9	39.3	32.8	26.2	18.3	13.1
132.5°	57.7	55.0	52.4	49.8	45.9	40.6	35.4	28.8	23.6	17.0	11.8
135°	52.4	49.8	47.2	44.6	40.6	36.7	31.4	26.2	21.0	15.7	10.5
137.5°	45.9	44.6	43.2	40.6	36.7	32.8	28.8	22.3	18.3	14.4	9.2
140°	41.9	40.6	39.3	35.4	32.8	28.8	24.9	19.7	15.7	11.8	7.9
142.5°	38.0	36.7	34.1	31.4	28.8	26.2	21.0	18.3	14.4	10.5	7.9
145°	32.8	31.4	30.1	27.5	24.9	21.0	18.3	15.7	13.1	9.2	6.6
147.5°	30.1	28.8	26.2	23.6	21.0	18.3	17.0	14.4	10.5	7.9	5.2
150°	24.9	23.6	22.3	19.7	18.3	17.0	14.4	11.8	9.2	6.6	5.2
152.5°	21.0	19.7	18.3	18.3	15.7	14.4	11.8	10.5	7.9	6.6	3.9
155°	18.3	18.3	17.0	15.7	13.1	11.8	10.5	7.9	6.6	5.2	3.9
157.5°	15.7	14.4	13.1	13.1	11.8	10.5	7.9	6.6	5.2	5.2	3.9
160°	13.1	11.8	11.8	10.5	9.2	7.9	6.6	6.6	5.2	3.9	3.9
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3
2.5°	2386.2	2371.8	2384.9	2402.0	2402.0	2399.3	2396.7	2402.0	2415.1	2409.8	2394.1
5°	2382.3	2367.9	2379.7	2396.7	2396.7	2392.8	2390.2	2394.1	2408.5	2402.0	2387.6
7.5°	2374.4	2361.3	2369.2	2384.9	2384.9	2381.0	2378.4	2383.6	2395.4	2388.9	2373.1
10°	2360.0	2345.6	2354.8	2369.2	2367.9	2365.3	2361.3	2367.9	2378.4	2369.2	2350.9
12.5°	2341.7	2327.3	2335.1	2348.2	2346.9	2341.7	2339.1	2343.0	2352.2	2346.9	2327.3
15°	2316.8	2302.4	2308.9	2322.0	2318.1	2314.2	2308.9	2310.2	2322.0	2312.9	2291.9
17.5°	2286.7	2270.9	2276.2	2288.0	2284.0	2280.1	2273.5	2274.9	2288.0	2274.9	2252.6
20°	2250.0	2232.9	2236.9	2251.3	2244.7	2238.2	2231.6	2231.6	2244.7	2230.3	2205.4
22.5°	2210.6	2193.6	2196.2	2206.7	2201.5	2189.7	2183.1	2187.1	2193.6	2175.3	2149.1
25°	2162.2	2139.9	2143.8	2154.3	2150.4	2134.6	2128.1	2130.7	2128.1	2113.7	2086.2
27.5°	2105.8	2082.2	2084.8	2091.4	2086.2	2071.7	2063.9	2065.2	2060.0	2041.6	2010.2
30°	2035.1	2023.3	2021.9	2025.9	2018.0	2003.6	1994.4	1991.8	1990.5	1964.3	1926.3
32.5°	1963.0	1952.5	1945.9	1951.2	1942.0	1927.6	1911.9	1911.9	1898.8	1873.9	1841.1
35°	1889.6	1872.6	1866.0	1869.9	1859.5	1841.1	1828.0	1821.5	1801.8	1770.4	1735.0
37.5°	1795.3	1783.5	1775.6	1779.5	1767.7	1754.6	1729.7	1723.2	1702.2	1659.0	1614.4
40°	1693.0	1683.9	1676.0	1679.9	1666.8	1647.2	1624.9	1614.4	1590.8	1542.3	1507.0
42.5°	1583.0	1579.0	1569.9	1584.3	1558.1	1538.4	1516.1	1499.1	1475.5	1423.1	1382.5
45°	1466.3	1475.5	1454.5	1458.5	1441.4	1424.4	1400.8	1375.9	1352.3	1302.5	1256.7
47.5°	1343.2	1349.7	1335.3	1337.9	1319.6	1303.8	1282.9	1251.4	1225.2	1182.0	1141.4
50°	1216.1	1213.4	1213.4	1210.8	1196.4	1176.7	1155.8	1126.9	1100.7	1061.4	1027.4
52.5°	1081.1	1086.3	1088.9	1095.5	1077.2	1065.4	1032.6	1007.7	988.0	947.4	918.6
55°	951.4	969.7	964.5	967.1	946.1	936.9	910.7	891.1	862.2	838.7	820.3
57.5°	833.4	837.3	840.0	843.9	834.7	816.4	795.4	779.7	757.4	737.8	724.7
60°	719.4	719.4	720.7	727.3	718.1	702.4	686.7	674.9	659.1	647.3	639.5
62.5°	612.0	621.1	622.4	617.2	605.4	597.5	587.1	580.5	570.0	566.1	563.5
65°	512.4	512.4	512.4	515.0	508.4	503.2	496.6	495.3	499.3	494.0	496.6
67.5°	428.5	424.6	421.9	423.3	420.6	418.0	416.7	420.6	428.5	428.5	435.1
70°	356.4	348.6	343.3	343.3	343.3	344.6	348.6	356.4	369.5	374.8	383.9
72.5°	297.5	280.4	272.6	272.6	273.9	279.1	290.9	305.3	317.1	327.6	339.4
75°	241.1	224.1	212.3	211.0	213.6	221.5	238.5	251.6	271.3	285.7	300.1
77.5°	195.2	174.3	159.9	158.6	162.5	174.3	195.2	212.3	234.6	250.3	266.0
80°	155.9	132.4	120.6	112.7	119.2	133.7	157.2	178.2	199.2	220.1	239.8
82.5°	124.5	102.2	83.9	76.0	83.9	103.5	125.8	150.7	171.7	193.9	213.6
85°	98.3	74.7	53.7	45.9	55.0	76.0	100.9	125.8	149.4	171.7	191.3
87.5°	77.3	53.7	32.8	22.3	34.1	56.3	79.9	104.8	129.7	152.0	171.7
90°	60.3	38.0	18.3	2.6	19.7	40.6	64.2	87.8	112.7	135.0	154.6
92.5°	51.1	28.8	10.5	0.0	11.8	30.1	52.4	76.0	98.3	120.6	140.2
95°	43.2	23.6	7.9	0.0	7.9	23.6	43.2	64.2	86.5	108.8	128.4
97.5°	36.7	18.3	5.2	0.0	5.2	18.3	35.4	56.3	76.0	97.0	115.3
100°	31.4	15.7	3.9	0.0	3.9	14.4	30.1	48.5	68.1	87.8	104.8
102.5°	27.5	13.1	2.6	0.0	2.6	11.8	24.9	41.9	59.0	77.3	94.3
105°	23.6	10.5	2.6	0.0	1.3	9.2	21.0	36.7	52.4	69.5	85.2
107.5°	21.0	9.2	2.6	0.0	1.3	7.9	18.3	31.4	47.2	61.6	76.0
110°	18.3	7.9	2.6	0.0	1.3	5.2	15.7	27.5	40.6	55.0	69.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	15.7	6.6	1.3	0.0	0.0	3.9	13.1	23.6	35.4	49.8	61.6
115°	14.4	6.6	1.3	0.0	0.0	2.6	10.5	21.0	31.4	44.6	55.0
117.5°	13.1	5.2	1.3	0.0	1.3	2.6	9.2	18.3	27.5	38.0	49.8
120°	11.8	5.2	1.3	0.0	1.3	1.3	6.6	15.7	23.6	34.1	43.2
122.5°	10.5	5.2	1.3	0.0	1.3	1.3	5.2	13.1	21.0	30.1	38.0
125°	9.2	3.9	2.6	1.3	1.3	1.3	3.9	10.5	18.3	24.9	34.1
127.5°	9.2	3.9	2.6	1.3	1.3	1.3	2.6	9.2	14.4	22.3	30.1
130°	7.9	3.9	2.6	1.3	1.3	1.3	1.3	6.6	13.1	18.3	24.9
132.5°	6.6	3.9	2.6	1.3	1.3	1.3	1.3	3.9	9.2	15.7	21.0
135°	6.6	3.9	2.6	1.3	1.3	1.3	1.3	2.6	6.6	11.8	17.0
137.5°	5.2	2.6	2.6	1.3	1.3	1.3	1.3	1.3	5.2	9.2	13.1
140°	5.2	2.6	2.6	1.3	1.3	1.3	1.3	1.3	3.9	6.6	10.5
142.5°	3.9	2.6	2.6	1.3	1.3	1.3	1.3	1.3	2.6	5.2	7.9
145°	3.9	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	2.6	5.2
147.5°	3.9	3.9	2.6	1.3	1.3	1.3	1.3	1.3	1.3	2.6	3.9
150°	3.9	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6
152.5°	3.9	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6
155°	3.9	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6
157.5°	3.9	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6
160°	3.9	2.6	2.6	1.3	2.6	1.3	2.6	2.6	2.6	2.6	2.6
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3
2.5°	2388.9	2364.0	2377.1	2373.1	2378.4	2388.9	2387.6	2384.9	2384.9	2381.0	2375.8
5°	2381.0	2357.4	2369.2	2362.7	2369.2	2378.4	2377.1	2373.1	2375.8	2369.2	2362.7
7.5°	2365.3	2344.3	2354.8	2349.5	2354.8	2364.0	2360.0	2358.7	2361.3	2350.9	2346.9
10°	2346.9	2323.3	2335.1	2328.6	2335.1	2341.7	2339.1	2333.8	2339.1	2328.6	2324.7
12.5°	2318.1	2298.4	2306.3	2303.7	2307.6	2314.2	2308.9	2305.0	2307.6	2298.4	2290.6
15°	2286.7	2267.0	2273.5	2269.6	2272.2	2280.1	2270.9	2269.6	2267.0	2257.8	2255.2
17.5°	2246.0	2227.7	2234.2	2227.7	2231.6	2229.0	2227.7	2221.1	2221.1	2210.6	2202.8
20°	2196.2	2180.5	2176.6	2171.3	2176.6	2171.3	2163.5	2158.2	2156.9	2146.4	2139.9
22.5°	2138.6	2120.2	2122.9	2108.4	2109.7	2101.9	2088.8	2083.5	2078.3	2066.5	2057.3
25°	2069.1	2050.8	2037.7	2028.5	2016.7	2015.4	1998.4	1985.3	1983.9	1969.5	1968.2
27.5°	1990.5	1969.5	1959.1	1936.8	1922.4	1910.6	1896.2	1883.0	1876.5	1860.8	1850.3
30°	1900.1	1876.5	1850.3	1834.6	1812.3	1803.1	1778.2	1762.5	1757.2	1740.2	1732.4
32.5°	1797.9	1773.0	1752.0	1721.9	1697.0	1683.9	1659.0	1643.2	1636.7	1618.3	1607.9
35°	1686.5	1659.0	1634.1	1605.2	1585.6	1563.3	1533.2	1517.4	1503.0	1496.5	1488.6
37.5°	1569.9	1539.7	1510.9	1482.1	1465.0	1438.8	1412.6	1402.1	1385.1	1378.5	1370.7
40°	1449.3	1419.2	1391.6	1364.1	1344.5	1320.9	1297.3	1293.4	1275.0	1268.5	1263.2
42.5°	1330.1	1298.6	1267.2	1247.5	1233.1	1209.5	1193.8	1189.8	1174.1	1170.2	1170.2
45°	1222.6	1183.3	1157.1	1140.0	1128.3	1108.6	1095.5	1092.9	1079.8	1077.2	1077.2
47.5°	1107.3	1070.6	1050.9	1040.5	1030.0	1015.6	1007.7	1007.7	994.6	992.0	990.7
50°	999.8	965.8	951.4	940.9	939.6	929.1	922.5	919.9	919.9	910.7	912.0
52.5°	897.6	880.6	868.8	862.2	854.4	847.8	842.6	842.6	838.7	832.1	834.7
55°	803.3	783.6	784.9	779.7	775.8	771.8	773.1	765.3	764.0	758.7	762.7
57.5°	708.9	708.9	706.3	702.4	695.8	698.4	698.4	698.4	691.9	688.0	691.9
60°	629.0	632.9	626.4	630.3	627.7	629.0	626.4	626.4	622.4	621.1	622.4
62.5°	558.2	564.8	562.2	567.4	564.8	566.1	568.7	563.5	560.9	558.2	560.9
65°	495.3	503.2	501.9	505.8	507.1	508.4	509.7	507.1	504.5	501.9	500.6
67.5°	440.3	448.2	453.4	454.7	456.0	460.0	458.6	456.0	453.4	449.5	448.2
70°	390.5	401.0	407.5	410.2	415.4	412.8	412.8	411.5	408.8	404.9	403.6
72.5°	348.6	360.4	366.9	369.5	374.8	374.8	373.5	372.2	369.5	365.6	364.3
75°	311.9	322.4	331.5	336.8	340.7	340.7	339.4	338.1	335.5	332.8	331.5
77.5°	283.0	292.2	300.1	306.6	309.3	310.6	309.3	306.6	306.6	305.3	304.0
80°	254.2	264.7	272.6	279.1	283.0	283.0	281.7	283.0	280.4	279.1	277.8
82.5°	229.3	241.1	250.3	256.8	259.5	260.8	259.5	260.8	258.1	258.1	258.1
85°	207.0	218.8	229.3	234.6	238.5	239.8	239.8	239.8	238.5	238.5	238.5
87.5°	188.7	200.5	211.0	216.2	220.1	221.5	221.5	222.8	220.1	220.1	220.1
90°	171.7	183.5	193.9	199.2	203.1	205.7	205.7	207.0	205.7	204.4	204.4
92.5°	155.9	169.0	179.5	184.8	188.7	192.6	192.6	193.9	191.3	191.3	191.3
95°	142.8	155.9	165.1	171.7	175.6	178.2	179.5	179.5	178.2	178.2	178.2
97.5°	131.0	142.8	152.0	158.6	162.5	163.8	165.1	166.4	165.1	165.1	165.1
100°	119.2	131.0	140.2	145.5	150.7	152.0	153.3	154.6	154.6	153.3	153.3
102.5°	108.8	120.6	128.4	135.0	138.9	141.5	142.8	142.8	142.8	142.8	142.8
105°	98.3	110.1	117.9	124.5	128.4	131.0	132.4	133.7	133.7	132.4	132.4
107.5°	89.1	99.6	108.8	114.0	119.2	121.9	123.2	123.2	124.5	123.2	123.2
110°	79.9	91.7	99.6	104.8	110.1	112.7	114.0	115.3	115.3	115.3	115.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	73.4	82.6	90.4	95.7	100.9	103.5	104.8	106.1	107.5	106.1	106.1
115°	65.5	74.7	82.6	87.8	91.7	94.3	97.0	98.3	98.3	99.6	98.3
117.5°	59.0	66.8	74.7	79.9	83.9	87.8	89.1	90.4	91.7	90.4	90.4
120°	52.4	60.3	66.8	72.1	76.0	79.9	81.2	82.6	83.9	82.6	82.6
122.5°	47.2	53.7	60.3	65.5	69.5	72.1	74.7	74.7	76.0	76.0	76.0
125°	41.9	48.5	53.7	59.0	62.9	65.5	66.8	68.1	68.1	69.5	69.5
127.5°	36.7	41.9	48.5	52.4	56.3	59.0	60.3	61.6	61.6	62.9	62.9
130°	31.4	36.7	41.9	45.9	49.8	52.4	53.7	55.0	56.3	56.3	56.3
132.5°	27.5	32.8	36.7	40.6	43.2	45.9	48.5	49.8	49.8	49.8	49.8
135°	22.3	27.5	31.4	35.4	38.0	40.6	41.9	44.6	44.6	44.6	44.6
137.5°	18.3	23.6	27.5	30.1	32.8	35.4	36.7	38.0	39.3	39.3	39.3
140°	14.4	18.3	22.3	26.2	28.8	30.1	32.8	32.8	34.1	34.1	34.1
142.5°	10.5	14.4	17.0	21.0	23.6	26.2	27.5	28.8	28.8	28.8	28.8
145°	7.9	10.5	13.1	15.7	19.7	21.0	22.3	23.6	24.9	24.9	24.9
147.5°	5.2	7.9	9.2	11.8	14.4	17.0	18.3	19.7	21.0	21.0	21.0
150°	3.9	5.2	7.9	9.2	10.5	13.1	15.7	15.7	17.0	17.0	15.7
152.5°	2.6	3.9	5.2	6.6	7.9	9.2	11.8	11.8	13.1	13.1	13.1
155°	2.6	2.6	2.6	3.9	5.2	6.6	7.9	9.2	9.2	9.2	9.2
157.5°	2.6	2.6	2.6	2.6	2.6	3.9	5.2	6.6	6.6	6.6	6.6
160°	2.6	2.6	1.3	1.3	2.6	2.6	2.6	2.6	3.9	3.9	3.9
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3
2.5°	2379.7	2382.3	2382.3	2379.7	2378.4	2383.6	2377.1	2352.2	2360.0	2362.7	2370.5
5°	2367.9	2370.5	2370.5	2370.5	2367.9	2373.1	2366.6	2341.7	2350.9	2354.8	2360.0
7.5°	2350.9	2352.2	2354.8	2353.5	2350.9	2358.7	2352.2	2327.3	2333.8	2340.4	2346.9
10°	2328.6	2328.6	2329.9	2332.5	2329.9	2336.4	2329.9	2307.6	2314.2	2318.1	2326.0
12.5°	2298.4	2301.1	2302.4	2301.1	2299.8	2305.0	2302.4	2281.4	2284.0	2291.9	2299.8
15°	2257.8	2257.8	2264.4	2261.8	2261.8	2267.0	2269.6	2246.0	2250.0	2261.8	2269.6
17.5°	2208.0	2209.3	2214.6	2217.2	2215.9	2225.1	2226.4	2208.0	2206.7	2221.1	2229.0
20°	2143.8	2146.4	2153.0	2158.2	2158.2	2168.7	2172.6	2160.9	2162.2	2177.9	2180.5
22.5°	2065.2	2065.2	2077.0	2084.8	2091.4	2098.0	2109.7	2099.3	2099.3	2120.2	2132.0
25°	1968.2	1977.4	1981.3	1997.1	2006.2	2024.6	2035.1	2036.4	2037.7	2057.3	2065.2
27.5°	1860.8	1863.4	1875.2	1893.5	1904.0	1921.0	1940.7	1944.6	1951.2	1977.4	1989.2
30°	1738.9	1746.8	1752.0	1778.2	1792.6	1814.9	1839.8	1849.0	1854.2	1889.6	1904.0
32.5°	1614.4	1617.0	1639.3	1653.7	1670.8	1694.3	1723.2	1740.2	1750.7	1787.4	1808.4
35°	1489.9	1495.2	1513.5	1531.9	1548.9	1572.5	1602.6	1626.2	1644.6	1677.3	1704.8
37.5°	1375.9	1389.0	1393.0	1411.3	1424.4	1448.0	1469.0	1503.0	1521.4	1555.4	1590.8
40°	1273.7	1277.6	1280.3	1298.6	1307.8	1330.1	1360.2	1382.5	1407.4	1432.3	1474.2
42.5°	1172.8	1175.4	1179.4	1189.8	1200.3	1216.1	1238.3	1260.6	1286.8	1323.5	1351.0
45°	1079.8	1082.4	1085.0	1091.6	1100.7	1115.2	1129.6	1145.3	1171.5	1202.9	1231.8
47.5°	993.3	998.5	998.5	999.8	1006.4	1018.2	1028.7	1048.3	1062.7	1079.8	1112.5
50°	910.7	914.7	916.0	916.0	919.9	927.8	930.4	943.5	956.6	972.3	995.9
52.5°	833.4	833.4	832.1	837.3	837.3	842.6	843.9	851.8	860.9	878.0	888.5
55°	760.0	760.0	764.0	761.3	761.3	764.0	762.7	764.0	771.8	782.3	791.5
57.5°	689.3	688.0	691.9	689.3	688.0	690.6	693.2	688.0	689.3	699.8	699.8
60°	618.5	619.8	623.8	621.1	621.1	621.1	618.5	615.9	613.3	619.8	622.4
62.5°	562.2	558.2	562.2	558.2	560.9	559.5	556.9	551.7	553.0	550.4	547.7
65°	503.2	503.2	504.5	500.6	503.2	503.2	499.3	498.0	490.1	487.5	480.9
67.5°	452.1	452.1	453.4	450.8	450.8	452.1	448.2	444.2	436.4	432.4	423.3
70°	407.5	407.5	407.5	406.2	406.2	406.2	403.6	398.4	390.5	383.9	372.2
72.5°	366.9	368.2	366.9	366.9	370.8	366.9	363.0	357.7	351.2	338.1	327.6
75°	334.2	335.5	334.2	334.2	334.2	332.8	331.5	323.7	315.8	305.3	289.6
77.5°	305.3	305.3	306.6	305.3	305.3	304.0	300.1	293.5	284.4	275.2	256.8
80°	277.8	279.1	280.4	281.7	279.1	277.8	273.9	268.6	256.8	246.4	228.0
82.5°	258.1	256.8	258.1	259.5	256.8	255.5	251.6	245.0	235.9	221.5	203.1
85°	238.5	237.2	237.2	238.5	237.2	234.6	230.6	224.1	214.9	200.5	182.1
87.5°	218.8	220.1	221.5	220.1	218.8	216.2	212.3	205.7	195.2	183.5	163.8
90°	204.4	204.4	204.4	204.4	203.1	200.5	196.6	188.7	179.5	165.1	148.1
92.5°	191.3	191.3	191.3	191.3	190.0	186.1	182.1	175.6	165.1	150.7	135.0
95°	178.2	179.5	178.2	178.2	175.6	174.3	167.7	161.2	152.0	137.6	120.6
97.5°	163.8	165.1	163.8	163.8	162.5	159.9	155.9	148.1	138.9	125.8	110.1
100°	153.3	153.3	152.0	152.0	150.7	148.1	142.8	136.3	127.1	114.0	98.3
102.5°	141.5	142.8	141.5	141.5	138.9	136.3	132.4	125.8	116.6	103.5	89.1
105°	132.4	132.4	131.0	131.0	128.4	125.8	121.9	114.0	106.1	94.3	79.9
107.5°	123.2	123.2	121.9	121.9	119.2	116.6	111.4	104.8	97.0	85.2	72.1
110°	114.0	114.0	114.0	112.7	110.1	106.1	102.2	95.7	87.8	77.3	64.2



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	107.5	106.1	104.8	103.5	100.9	98.3	93.0	86.5	78.6	69.5	57.7
115°	98.3	98.3	97.0	95.7	93.0	89.1	85.2	79.9	72.1	61.6	51.1
117.5°	90.4	90.4	89.1	87.8	85.2	81.2	77.3	72.1	64.2	55.0	45.9
120°	82.6	82.6	81.2	79.9	77.3	73.4	70.8	64.2	57.7	48.5	40.6
122.5°	76.0	74.7	74.7	72.1	70.8	66.8	62.9	57.7	51.1	43.2	35.4
125°	68.1	68.1	66.8	65.5	64.2	60.3	56.3	51.1	44.6	38.0	31.4
127.5°	61.6	61.6	60.3	59.0	57.7	53.7	49.8	45.9	39.3	32.8	26.2
130°	55.0	55.0	53.7	52.4	51.1	47.2	44.6	39.3	34.1	28.8	22.3
132.5°	49.8	49.8	48.5	47.2	44.6	41.9	39.3	34.1	30.1	24.9	19.7
135°	44.6	43.2	43.2	41.9	39.3	36.7	34.1	30.1	24.9	21.0	15.7
137.5°	39.3	38.0	36.7	35.4	34.1	31.4	28.8	26.2	22.3	17.0	13.1
140°	34.1	32.8	32.8	31.4	28.8	27.5	24.9	21.0	18.3	14.4	10.5
142.5°	28.8	28.8	27.5	26.2	24.9	23.6	21.0	18.3	14.4	11.8	7.9
145°	24.9	23.6	23.6	22.3	21.0	18.3	17.0	14.4	11.8	9.2	6.6
147.5°	19.7	19.7	19.7	18.3	17.0	15.7	14.4	11.8	9.2	6.6	3.9
150°	15.7	15.7	15.7	14.4	13.1	11.8	10.5	9.2	6.6	3.9	2.6
152.5°	13.1	13.1	11.8	11.8	10.5	9.2	7.9	6.6	3.9	2.6	2.6
155°	9.2	9.2	9.2	7.9	7.9	6.6	5.2	3.9	2.6	2.6	2.6
157.5°	6.6	6.6	6.6	5.2	5.2	3.9	3.9	2.6	2.6	2.6	2.6
160°	3.9	3.9	3.9	3.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3
2.5°	2366.6	2365.3	2375.8	2375.8	2364.0	2382.3	2402.0
5°	2358.7	2357.4	2367.9	2367.9	2357.4	2375.8	2396.7
7.5°	2343.0	2344.3	2354.8	2357.4	2344.3	2361.3	2383.6
10°	2326.0	2324.7	2336.4	2339.1	2328.6	2344.3	2365.3
12.5°	2298.4	2298.4	2310.2	2314.2	2303.7	2322.0	2341.7
15°	2269.6	2269.6	2277.5	2284.0	2274.9	2291.9	2311.5
17.5°	2232.9	2231.6	2239.5	2247.3	2238.2	2256.5	2277.5
20°	2185.7	2185.7	2194.9	2204.1	2197.5	2214.6	2238.2
22.5°	2136.0	2130.7	2146.4	2153.0	2149.1	2166.1	2189.7
25°	2073.1	2071.7	2087.5	2096.6	2091.4	2109.7	2130.7
27.5°	2004.9	2003.6	2019.3	2031.1	2028.5	2045.5	2069.1
30°	1922.4	1928.9	1943.3	1963.0	1956.4	1974.8	1999.7
32.5°	1835.9	1842.4	1859.5	1880.4	1881.7	1896.2	1921.0
35°	1732.4	1749.4	1761.2	1788.7	1793.9	1808.4	1834.6
37.5°	1623.6	1643.2	1668.1	1689.1	1699.6	1711.4	1741.5
40°	1501.7	1530.5	1558.1	1583.0	1596.1	1607.9	1636.7
42.5°	1391.6	1413.9	1440.1	1465.0	1488.6	1499.1	1529.2
45°	1267.2	1293.4	1317.0	1347.1	1370.7	1382.5	1412.6
47.5°	1145.3	1171.5	1202.9	1223.9	1248.8	1260.6	1289.4
50°	1028.7	1052.3	1078.5	1103.4	1124.3	1134.8	1159.7
52.5°	913.3	938.2	963.1	978.9	1001.1	1009.0	1030.0
55°	811.1	828.2	850.5	859.6	881.9	887.1	901.6
57.5°	712.9	724.7	732.5	748.2	764.0	775.8	792.8
60°	623.8	629.0	634.2	643.4	656.5	660.4	667.0
62.5°	543.8	542.5	553.0	555.6	556.9	570.0	563.5
65°	473.1	474.4	465.2	461.3	466.5	470.4	467.8
67.5°	414.1	406.2	398.4	389.2	381.3	385.3	381.3
70°	356.4	349.9	336.8	323.7	318.4	310.6	306.6
72.5°	310.6	294.8	281.7	264.7	255.5	246.4	239.8
75°	275.2	252.9	234.6	216.2	203.1	190.0	187.4
77.5°	238.5	217.5	196.6	176.9	157.2	142.8	137.6
80°	209.7	190.0	165.1	141.5	120.6	102.2	95.7
82.5°	183.5	162.5	137.6	112.7	89.1	69.5	61.6
85°	161.2	138.9	114.0	89.1	65.5	44.6	34.1
87.5°	144.1	119.2	94.3	70.8	45.9	24.9	13.1
90°	128.4	104.8	81.2	56.3	32.8	13.1	0.0
92.5°	114.0	91.7	68.1	45.9	24.9	7.9	1.3
95°	100.9	81.2	57.7	36.7	18.3	5.2	1.3
97.5°	90.4	70.8	49.8	30.1	14.4	3.9	1.3
100°	81.2	61.6	43.2	24.9	11.8	2.6	1.3
102.5°	72.1	55.0	36.7	21.0	9.2	1.3	1.3
105°	64.2	48.5	31.4	18.3	7.9	1.3	1.3
107.5°	57.7	43.2	27.5	15.7	5.2	1.3	1.3
110°	51.1	36.7	23.6	13.1	3.9	1.3	1.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	45.9	32.8	21.0	10.5	2.6	1.3	1.3
115°	40.6	28.8	18.3	9.2	2.6	1.3	1.3
117.5°	35.4	24.9	15.7	6.6	1.3	1.3	1.3
120°	31.4	22.3	13.1	5.2	1.3	1.3	1.3
122.5°	27.5	18.3	10.5	3.9	1.3	1.3	1.3
125°	23.6	15.7	9.2	2.6	1.3	1.3	1.3
127.5°	19.7	13.1	6.6	2.6	1.3	1.3	1.3
130°	17.0	10.5	5.2	1.3	1.3	1.3	1.3
132.5°	14.4	7.9	3.9	1.3	1.3	1.3	1.3
135°	11.8	6.6	2.6	1.3	1.3	1.3	1.3
137.5°	9.2	5.2	2.6	1.3	1.3	1.3	1.3
140°	6.6	3.9	1.3	1.3	1.3	1.3	1.3
142.5°	5.2	2.6	1.3	1.3	1.3	1.3	1.3
145°	3.9	2.6	1.3	1.3	1.3	1.3	1.3
147.5°	2.6	2.6	2.6	2.6	1.3	1.3	1.3
150°	2.6	2.6	1.3	1.3	2.6	1.3	1.3
152.5°	2.6	1.3	1.3	1.3	2.6	1.3	1.3
155°	2.6	2.6	2.6	2.6	2.6	2.6	1.3
157.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6
160°	2.6	2.6	2.6	2.6	2.6	2.6	2.6
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)