

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-L935-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-L935-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

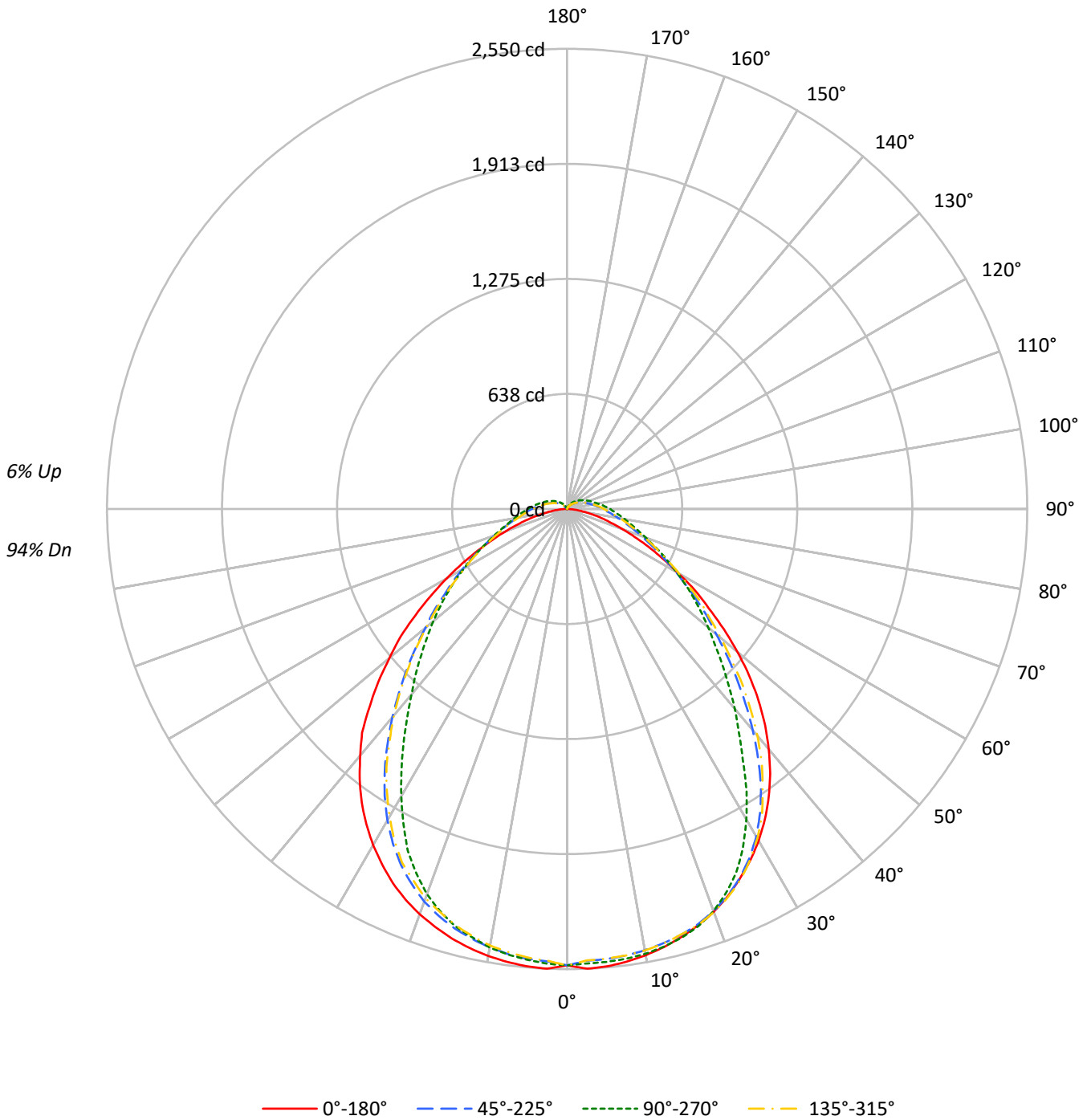
Lumens per Lamp: N/A  
Luminaire Lumens: 6400.0 lumens  
Efficiency: N/A  
Efficacy: 116.4 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.14 / 1.24  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

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°	10218	10218	10218	10218
5°	10305	9893	10305	9849
10°	10273	9630	10290	9496
15°	10222	9342	10268	9099
20°	10158	8972	10218	8593
25°	10011	8423	10122	7927
30°	9815	7617	9944	7052
35°	9502	6629	9685	6172
40°	9045	5797	9284	5379
45°	8437	5040	8711	4750
50°	7597	4428	7932	4205
55°	6594	3910	7074	3713
60°	5571	3433	6074	3236
65°	4594	3036	5057	2815
70°	3687	2694	4129	2491
75°	2934	2487	3304	2288
80°	2169	2400	2556	2193
85°	1424	2413	1916	2219



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	239.8	3.7
10°-20°	687.5	10.7
20°-30°	1018.9	15.9
30°-40°	1131.9	17.7
40°-50°	1026.1	16.0
50°-60°	795.1	12.4
60°-70°	539.9	8.4
70°-80°	343.5	5.4
80°-90°	219.6	3.4
90°-100°	148.1	2.3
100°-110°	101.4	1.6
110°-120°	67.7	1.1
120°-130°	42.1	0.7
130°-140°	23.3	0.4
140°-150°	10.9	0.2
150°-160°	4.0	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	1946.1	30.4
0°-40°	3078.1	48.1
0°-60°	4899.3	76.6
0°-90°	6002.3	93.8
90°-120°	317.1	5.0
90°-150°	393.4	6.1
90°-180°	398.0	6.2
0°-180°	6400.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2529	2529	2529	2529	2529	
5°	2544	2519	2544	2508	2544	242
15°	2454	2458	2465	2394	2454	693
25°	2262	2220	2287	2089	2262	1042
35°	1948	1697	1985	1580	1948	1215
45°	1500	1213	1548	1143	1500	1152
55°	957	853	1027	810	957	862
65°	497	573	547	531	497	498
75°	199	382	224	352	199	214
85°	36	275	49	253	36	43
90°	0	238	3	217	0	2
95°	1	203	0	189	1	1
105°	1	149	0	140	1	1
115°	1	113	0	104	1	1
125°	1	84	1	74	1	1
135°	1	58	1	47	1	1
145°	1	38	1	26	1	1
155°	1	21	1	10	1	1
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9
2.5°	2549.8	2547.0	2544.2	2540.0	2544.2	2555.3	2548.4	2533.1	2530.3	2505.3	2516.4
5°	2544.2	2540.0	2537.3	2533.1	2538.6	2552.6	2545.6	2531.7	2527.5	2503.9	2516.4
7.5°	2530.3	2527.5	2523.3	2523.3	2528.9	2542.8	2537.3	2522.0	2519.2	2495.5	2509.4
10°	2510.8	2509.4	2506.7	2506.7	2512.2	2528.9	2522.0	2508.0	2505.3	2483.0	2498.3
12.5°	2485.8	2487.2	2483.0	2483.0	2491.3	2508.0	2502.5	2487.2	2484.4	2464.9	2480.2
15°	2453.8	2455.2	2452.4	2453.8	2462.1	2481.6	2474.7	2460.7	2458.0	2442.7	2455.2
17.5°	2417.6	2419.0	2419.0	2417.6	2427.4	2446.8	2441.3	2428.8	2424.6	2412.1	2427.4
20°	2375.9	2375.9	2375.9	2375.9	2387.0	2406.5	2399.5	2389.8	2381.5	2371.7	2384.2
22.5°	2324.4	2323.0	2324.4	2328.6	2339.7	2355.0	2350.9	2339.7	2327.2	2321.6	2331.4
25°	2261.8	2266.0	2267.4	2271.6	2285.5	2298.0	2293.8	2282.7	2263.2	2259.0	2261.8
27.5°	2196.4	2199.2	2203.4	2202.0	2221.5	2234.0	2225.7	2215.9	2188.1	2183.9	2181.1
30°	2122.7	2126.9	2129.7	2128.3	2143.6	2157.5	2149.2	2136.6	2099.1	2096.3	2074.0
32.5°	2039.3	2043.4	2046.2	2046.2	2068.5	2074.0	2058.7	2040.7	2000.3	1990.6	1971.1
35°	1947.5	1951.6	1953.0	1953.0	1975.3	1973.9	1954.4	1929.4	1884.9	1872.3	1839.0
37.5°	1848.7	1851.5	1852.9	1861.2	1870.9	1862.6	1837.6	1805.6	1772.2	1737.4	1701.2
40°	1737.4	1741.6	1744.4	1749.9	1759.7	1749.9	1713.8	1674.8	1638.6	1599.7	1563.5
42.5°	1623.3	1635.9	1633.1	1631.7	1637.3	1610.8	1583.0	1538.5	1502.3	1462.0	1425.8
45°	1499.5	1498.1	1505.1	1507.9	1506.5	1484.2	1445.3	1404.9	1368.8	1327.1	1296.4
47.5°	1368.8	1367.4	1373.0	1375.7	1367.4	1343.7	1313.1	1267.2	1236.6	1200.5	1176.8
50°	1231.1	1231.1	1239.4	1231.1	1226.9	1203.2	1178.2	1132.3	1108.7	1076.7	1062.8
52.5°	1093.4	1105.9	1097.5	1094.7	1090.6	1066.9	1047.5	1009.9	990.4	976.5	959.8
55°	957.0	970.9	965.4	961.2	959.8	940.3	922.3	894.4	881.9	872.2	862.4
57.5°	841.6	840.2	837.4	833.2	834.6	819.3	801.2	785.9	780.4	776.2	779.0
60°	708.0	719.2	715.0	716.4	717.8	715.0	699.7	690.0	691.3	692.7	696.9
62.5°	598.1	607.9	614.8	609.3	612.1	616.2	607.9	605.1	610.7	616.2	621.8
65°	496.6	506.3	513.3	511.9	520.2	528.6	527.2	530.0	542.5	549.5	556.4
67.5°	404.8	414.5	424.3	425.7	438.2	450.7	456.3	466.0	479.9	489.6	498.0
70°	325.5	333.8	345.0	351.9	368.6	385.3	395.1	414.5	422.9	436.8	442.4
72.5°	254.6	261.5	276.8	293.5	307.4	328.3	347.8	364.5	377.0	392.3	399.2
75°	198.9	201.7	218.4	237.9	257.3	281.0	301.9	319.9	336.6	351.9	363.1
77.5°	146.1	150.2	165.5	192.0	214.2	239.3	262.9	282.4	300.5	315.8	331.1
80°	101.5	109.9	126.6	153.0	178.1	205.9	228.1	250.4	269.9	285.2	300.5
82.5°	65.4	72.3	96.0	122.4	148.8	176.7	200.3	222.6	243.4	260.1	274.0
85°	36.2	45.9	69.6	97.4	123.8	151.6	176.7	198.9	219.8	235.1	249.0
87.5°	13.9	27.8	50.1	76.5	102.9	129.4	155.8	176.7	197.5	214.2	226.7
90°	0.0	16.7	37.6	64.0	90.4	116.8	141.9	164.1	183.6	198.9	212.8
92.5°	1.4	11.1	29.2	51.5	76.5	101.5	125.2	147.5	166.9	182.2	194.7
95°	1.4	8.3	23.6	44.5	66.8	90.4	112.7	133.5	151.6	166.9	179.4
97.5°	1.4	5.6	19.5	38.9	58.4	82.1	102.9	122.4	139.1	154.4	164.1
100°	1.4	5.6	16.7	33.4	52.9	73.7	93.2	112.7	128.0	140.5	151.6
102.5°	1.4	4.2	13.9	29.2	47.3	65.4	84.9	102.9	116.8	129.4	140.5
105°	1.4	4.2	12.5	25.0	41.7	59.8	76.5	93.2	108.5	119.6	129.4
107.5°	1.4	2.8	11.1	20.9	36.2	54.3	70.9	84.9	98.8	109.9	119.6
110°	1.4	2.8	9.7	19.5	32.0	48.7	64.0	77.9	90.4	101.5	109.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.4	2.8	8.3	18.1	29.2	43.1	58.4	70.9	83.5	93.2	101.5
115°	1.4	2.8	8.3	16.7	26.4	37.6	51.5	65.4	75.1	86.2	93.2
117.5°	1.4	2.8	7.0	13.9	25.0	34.8	47.3	58.4	69.6	79.3	86.2
120°	1.4	2.8	7.0	12.5	22.3	32.0	41.7	52.9	64.0	70.9	77.9
122.5°	1.4	2.8	5.6	12.5	19.5	29.2	37.6	47.3	57.0	65.4	72.3
125°	1.4	2.8	5.6	11.1	18.1	26.4	34.8	41.7	51.5	58.4	65.4
127.5°	1.4	2.8	5.6	9.7	16.7	23.6	32.0	38.9	45.9	52.9	58.4
130°	1.4	2.8	4.2	8.3	15.3	20.9	27.8	36.2	41.7	47.3	52.9
132.5°	1.4	2.8	4.2	8.3	12.5	18.1	25.0	32.0	37.6	43.1	47.3
135°	1.4	2.8	4.2	7.0	11.1	16.7	20.9	27.8	33.4	38.9	43.1
137.5°	1.4	2.8	4.2	7.0	9.7	13.9	18.1	23.6	29.2	33.4	38.9
140°	1.4	2.8	4.2	5.6	8.3	12.5	16.7	19.5	25.0	29.2	33.4
142.5°	1.4	2.8	4.2	5.6	8.3	11.1	13.9	16.7	20.9	25.0	29.2
145°	1.4	2.8	4.2	5.6	7.0	9.7	12.5	15.3	16.7	20.9	23.6
147.5°	1.4	2.8	4.2	5.6	5.6	8.3	11.1	12.5	15.3	16.7	19.5
150°	1.4	2.8	4.2	4.2	5.6	7.0	9.7	11.1	12.5	15.3	16.7
152.5°	1.4	2.8	4.2	4.2	5.6	7.0	8.3	9.7	11.1	12.5	13.9
155°	1.4	2.8	4.2	4.2	4.2	5.6	7.0	8.3	9.7	11.1	12.5
157.5°	2.8	2.8	2.8	4.2	4.2	5.6	5.6	7.0	8.3	8.3	9.7
160°	2.8	2.8	2.8	4.2	4.2	4.2	5.6	5.6	7.0	7.0	8.3
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°	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9
2.5°	2513.6	2517.8	2530.3	2530.3	2527.5	2524.7	2524.7	2520.6	2523.3	2528.9	2526.1
5°	2513.6	2517.8	2530.3	2530.3	2527.5	2524.7	2523.3	2519.2	2523.3	2528.9	2526.1
7.5°	2505.3	2510.8	2523.3	2523.3	2520.6	2519.2	2516.4	2513.6	2517.8	2523.3	2520.6
10°	2494.1	2499.7	2512.2	2512.2	2509.4	2509.4	2505.3	2502.5	2508.0	2512.2	2510.8
12.5°	2477.4	2484.4	2495.5	2494.1	2491.3	2492.7	2488.6	2483.0	2488.6	2492.7	2494.1
15°	2453.8	2462.1	2473.3	2470.5	2466.3	2469.1	2462.1	2458.0	2462.1	2470.5	2469.1
17.5°	2423.2	2428.8	2437.1	2437.1	2432.9	2430.1	2427.4	2423.2	2426.0	2431.5	2432.9
20°	2380.1	2387.0	2391.2	2387.0	2385.6	2381.5	2375.9	2371.7	2377.3	2385.6	2387.0
22.5°	2323.0	2324.4	2334.2	2324.4	2317.5	2316.1	2310.5	2302.2	2310.5	2317.5	2318.9
25°	2252.1	2259.0	2254.9	2238.2	2238.2	2227.1	2224.3	2220.1	2221.5	2234.0	2239.6
27.5°	2161.7	2164.5	2153.3	2139.4	2126.9	2119.9	2110.2	2111.6	2111.6	2128.3	2133.9
30°	2062.9	2047.6	2037.9	2015.6	2005.9	1989.2	1986.4	1986.4	1983.6	1992.0	2017.0
32.5°	1944.7	1923.8	1908.5	1887.6	1870.9	1854.3	1845.9	1850.1	1848.7	1869.6	1877.9
35°	1815.3	1802.8	1770.8	1744.4	1734.6	1709.6	1709.6	1697.1	1705.4	1729.1	1738.8
37.5°	1679.0	1659.5	1633.1	1603.9	1596.9	1577.4	1570.5	1563.5	1581.6	1585.8	1595.5
40°	1539.9	1521.8	1496.8	1468.9	1468.9	1445.3	1445.3	1445.3	1446.7	1455.0	1473.1
42.5°	1407.7	1388.3	1366.0	1346.5	1343.7	1325.7	1325.7	1324.3	1327.1	1334.0	1350.7
45°	1279.8	1264.5	1240.8	1231.1	1232.5	1213.0	1217.2	1213.0	1218.5	1225.5	1231.1
47.5°	1161.5	1151.8	1142.0	1128.1	1124.0	1122.6	1115.6	1110.0	1119.8	1119.8	1128.1
50°	1051.6	1046.1	1040.5	1032.2	1033.5	1028.0	1019.6	1019.6	1026.6	1028.0	1033.5
52.5°	955.6	948.7	941.7	943.1	944.5	941.7	937.6	933.4	937.6	940.3	947.3
55°	859.7	854.1	861.1	858.3	861.1	858.3	855.5	852.7	859.7	855.5	862.4
57.5°	773.4	779.0	781.8	776.2	780.4	777.6	779.0	774.8	780.4	783.2	781.8
60°	694.1	702.5	698.3	699.7	705.3	702.5	696.9	701.1	706.6	708.0	706.6
62.5°	621.8	631.5	635.7	632.9	634.3	631.5	635.7	630.1	637.1	639.9	635.7
65°	556.4	567.5	570.3	570.3	570.3	567.5	571.7	573.1	575.9	575.9	573.1
67.5°	500.8	510.5	513.3	516.1	513.3	510.5	510.5	511.9	517.5	520.2	517.5
70°	450.7	460.4	461.8	461.8	463.2	466.0	460.4	463.2	467.4	468.8	467.4
72.5°	407.6	417.3	420.1	418.7	420.1	421.5	421.5	418.7	422.9	425.7	425.7
75°	372.8	378.4	381.1	381.1	382.5	383.9	383.9	382.5	385.3	386.7	388.1
77.5°	340.8	345.0	349.2	349.2	350.5	349.2	351.9	351.9	353.3	354.7	356.1
80°	308.8	314.4	317.2	318.5	321.3	322.7	322.7	322.7	324.1	325.5	325.5
82.5°	283.8	287.9	292.1	296.3	296.3	297.7	297.7	297.7	299.1	299.1	300.5
85°	258.7	264.3	268.5	271.3	272.6	274.0	274.0	275.4	275.4	275.4	276.8
87.5°	236.5	243.4	246.2	249.0	250.4	253.2	253.2	253.2	254.6	254.6	254.6
90°	221.2	228.1	230.9	233.7	235.1	236.5	236.5	237.9	237.9	239.3	239.3
92.5°	203.1	210.0	215.6	215.6	217.0	219.8	218.4	218.4	219.8	221.2	221.2
95°	189.2	194.7	198.9	200.3	201.7	201.7	201.7	203.1	201.7	203.1	203.1
97.5°	172.5	178.1	182.2	185.0	186.4	186.4	186.4	187.8	186.4	187.8	187.8
100°	158.6	164.1	168.3	169.7	172.5	172.5	172.5	172.5	172.5	172.5	173.9
102.5°	147.5	153.0	155.8	157.2	158.6	160.0	160.0	160.0	160.0	161.4	161.4
105°	136.3	141.9	144.7	146.1	147.5	148.8	148.8	148.8	150.2	150.2	148.8
107.5°	126.6	130.8	133.5	136.3	137.7	137.7	139.1	139.1	139.1	139.1	139.1
110°	116.8	121.0	125.2	128.0	128.0	129.4	129.4	130.8	130.8	129.4	130.8





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	107.1	112.7	115.5	118.2	119.6	121.0	121.0	121.0	121.0	121.0	121.0
115°	98.8	104.3	107.1	109.9	111.3	112.7	112.7	112.7	112.7	112.7	112.7
117.5°	91.8	97.4	100.2	101.5	102.9	104.3	105.7	105.7	105.7	105.7	104.3
120°	84.9	89.0	91.8	94.6	96.0	97.4	97.4	97.4	97.4	97.4	97.4
122.5°	77.9	82.1	84.9	87.6	89.0	90.4	90.4	90.4	90.4	90.4	90.4
125°	70.9	75.1	77.9	80.7	82.1	83.5	83.5	83.5	83.5	83.5	83.5
127.5°	64.0	68.2	72.3	73.7	75.1	76.5	76.5	76.5	77.9	76.5	76.5
130°	57.0	61.2	65.4	66.8	68.2	69.6	70.9	70.9	70.9	70.9	69.6
132.5°	51.5	55.6	58.4	59.8	62.6	62.6	64.0	64.0	64.0	64.0	62.6
135°	47.3	50.1	52.9	54.3	57.0	57.0	57.0	58.4	58.4	57.0	55.6
137.5°	41.7	44.5	47.3	48.7	50.1	51.5	51.5	52.9	51.5	51.5	51.5
140°	38.9	40.3	43.1	44.5	45.9	45.9	45.9	47.3	47.3	45.9	45.9
142.5°	33.4	36.2	38.9	40.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7
145°	27.8	32.0	33.4	36.2	36.2	37.6	37.6	37.6	37.6	37.6	36.2
147.5°	23.6	26.4	30.6	32.0	32.0	33.4	33.4	33.4	33.4	33.4	32.0
150°	18.1	20.9	25.0	27.8	27.8	29.2	29.2	29.2	29.2	27.8	27.8
152.5°	15.3	18.1	19.5	22.3	23.6	23.6	23.6	25.0	23.6	23.6	23.6
155°	13.9	15.3	16.7	18.1	19.5	20.9	20.9	20.9	20.9	19.5	19.5
157.5°	11.1	12.5	13.9	15.3	16.7	18.1	18.1	18.1	18.1	18.1	16.7
160°	8.3	9.7	11.1	11.1	12.5	13.9	15.3	13.9	13.9	13.9	13.9
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-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9
2.5°	2523.3	2522.0	2526.1	2519.2	2498.3	2503.9	2501.1	2513.6	2516.4	2519.2	2531.7
5°	2523.3	2522.0	2524.7	2519.2	2496.9	2501.1	2498.3	2510.8	2513.6	2515.0	2527.5
7.5°	2517.8	2516.4	2520.6	2513.6	2490.0	2495.5	2491.3	2503.9	2505.3	2506.7	2517.8
10°	2506.7	2505.3	2508.0	2502.5	2478.8	2484.4	2478.8	2491.3	2491.3	2494.1	2502.5
12.5°	2490.0	2487.2	2492.7	2485.8	2459.4	2466.3	2463.5	2471.9	2473.3	2474.7	2483.0
15°	2466.3	2463.5	2467.7	2463.5	2439.9	2441.3	2437.1	2449.6	2451.0	2448.2	2456.6
17.5°	2431.5	2428.8	2437.1	2434.3	2410.7	2416.2	2414.8	2417.6	2421.8	2414.8	2426.0
20°	2388.4	2391.2	2394.0	2395.4	2377.3	2377.3	2375.9	2381.5	2385.6	2380.1	2388.4
22.5°	2324.4	2331.4	2339.7	2342.5	2330.0	2328.6	2336.9	2334.2	2338.3	2335.6	2341.1
25°	2243.7	2257.7	2266.0	2274.3	2267.4	2270.2	2282.7	2285.5	2285.5	2284.1	2289.6
27.5°	2143.6	2161.7	2177.0	2195.1	2188.1	2193.7	2214.5	2217.3	2222.9	2217.3	2228.4
30°	2024.0	2040.7	2069.9	2096.3	2099.1	2107.4	2136.6	2139.4	2154.7	2149.2	2153.3
32.5°	1904.3	1912.7	1946.1	1972.5	1989.2	2010.1	2042.0	2047.6	2068.5	2072.6	2072.6
35°	1754.1	1777.7	1808.3	1845.9	1866.8	1889.0	1932.2	1940.5	1971.1	1980.8	1992.0
37.5°	1627.5	1649.8	1669.2	1708.2	1745.8	1770.8	1805.6	1826.4	1858.4	1876.5	1890.4
40°	1492.6	1510.7	1531.5	1570.5	1602.5	1640.0	1674.8	1699.8	1740.2	1761.1	1779.1
42.5°	1364.6	1378.5	1400.8	1428.6	1462.0	1503.7	1537.1	1566.3	1609.4	1638.6	1659.5
45°	1250.5	1258.9	1278.4	1299.2	1328.4	1371.6	1403.6	1441.1	1475.9	1506.5	1531.5
47.5°	1143.4	1154.6	1164.3	1178.2	1204.6	1231.1	1268.6	1304.8	1339.6	1373.0	1398.0
50°	1044.7	1044.7	1060.0	1069.7	1087.8	1111.4	1140.7	1165.7	1208.8	1232.5	1264.5
52.5°	948.7	954.3	962.6	968.2	982.1	997.4	1021.0	1041.9	1078.1	1100.3	1130.9
55°	863.8	869.4	873.6	876.4	884.7	902.8	911.1	927.8	952.9	970.9	997.4
57.5°	783.2	785.9	790.1	791.5	792.9	804.0	811.0	815.1	840.2	858.3	880.5
60°	709.4	709.4	713.6	712.2	710.8	716.4	715.0	719.2	734.5	745.6	755.3
62.5°	639.9	639.9	641.3	638.5	637.1	637.1	631.5	635.7	639.9	641.3	648.2
65°	575.9	582.8	577.3	578.7	570.3	567.5	564.8	556.4	555.0	549.5	552.2
67.5°	518.9	524.4	518.9	518.9	511.9	506.3	499.4	485.5	481.3	470.2	467.4
70°	473.0	468.8	471.6	467.4	459.0	452.1	442.4	431.2	417.3	403.4	393.7
72.5°	428.4	428.4	425.7	421.5	417.3	403.4	392.3	379.8	363.1	345.0	331.1
75°	385.3	386.7	386.7	382.5	375.6	363.1	350.5	332.5	314.4	293.5	275.4
77.5°	354.7	354.7	354.7	347.8	340.8	329.7	314.4	294.9	275.4	250.4	229.5
80°	325.5	324.1	324.1	315.8	308.8	296.3	281.0	261.5	240.6	214.2	190.6
82.5°	301.9	300.5	297.7	290.7	281.0	268.5	253.2	232.3	210.0	186.4	157.2
85°	276.8	275.4	272.6	265.7	256.0	244.8	228.1	207.3	185.0	158.6	130.8
87.5°	254.6	253.2	249.0	244.8	233.7	221.2	204.5	185.0	161.4	136.3	108.5
90°	239.3	236.5	233.7	228.1	218.4	204.5	187.8	166.9	143.3	118.2	90.4
92.5°	221.2	219.8	215.6	210.0	201.7	187.8	171.1	151.6	128.0	104.3	77.9
95°	203.1	201.7	198.9	193.4	185.0	172.5	157.2	137.7	115.5	91.8	68.2
97.5°	186.4	186.4	182.2	178.1	168.3	158.6	143.3	125.2	104.3	83.5	61.2
100°	172.5	172.5	168.3	162.8	155.8	146.1	130.8	114.1	94.6	75.1	52.9
102.5°	160.0	158.6	155.8	150.2	143.3	133.5	119.6	104.3	86.2	66.8	47.3
105°	148.8	147.5	144.7	139.1	133.5	122.4	111.3	96.0	77.9	59.8	41.7
107.5°	137.7	136.3	134.9	129.4	122.4	112.7	101.5	86.2	70.9	54.3	37.6
110°	128.0	126.6	123.8	118.2	111.3	102.9	91.8	79.3	64.0	48.7	33.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	119.6	118.2	115.5	109.9	104.3	94.6	84.9	70.9	58.4	44.5	29.2
115°	111.3	109.9	107.1	101.5	94.6	86.2	76.5	65.4	51.5	38.9	26.4
117.5°	102.9	101.5	98.8	94.6	87.6	79.3	69.6	58.4	45.9	36.2	23.6
120°	96.0	93.2	90.4	86.2	79.3	72.3	62.6	52.9	41.7	32.0	20.9
122.5°	89.0	86.2	83.5	79.3	72.3	65.4	55.6	47.3	38.9	29.2	19.5
125°	80.7	79.3	76.5	72.3	65.4	58.4	51.5	43.1	34.8	26.4	16.7
127.5°	73.7	72.3	69.6	64.0	58.4	52.9	45.9	38.9	30.6	22.3	15.3
130°	68.2	65.4	62.6	58.4	54.3	48.7	41.7	34.8	27.8	19.5	13.9
132.5°	61.2	58.4	55.6	52.9	48.7	43.1	37.6	30.6	25.0	18.1	12.5
135°	55.6	52.9	50.1	47.3	43.1	38.9	33.4	27.8	22.3	16.7	11.1
137.5°	48.7	47.3	45.9	43.1	38.9	34.8	30.6	23.6	19.5	15.3	9.7
140°	44.5	43.1	41.7	37.6	34.8	30.6	26.4	20.9	16.7	12.5	8.3
142.5°	40.3	38.9	36.2	33.4	30.6	27.8	22.3	19.5	15.3	11.1	8.3
145°	34.8	33.4	32.0	29.2	26.4	22.3	19.5	16.7	13.9	9.7	7.0
147.5°	32.0	30.6	27.8	25.0	22.3	19.5	18.1	15.3	11.1	8.3	5.6
150°	26.4	25.0	23.6	20.9	19.5	18.1	15.3	12.5	9.7	7.0	5.6
152.5°	22.3	20.9	19.5	19.5	16.7	15.3	12.5	11.1	8.3	7.0	4.2
155°	19.5	19.5	18.1	16.7	13.9	12.5	11.1	8.3	7.0	5.6	4.2
157.5°	16.7	15.3	13.9	13.9	12.5	11.1	8.3	7.0	5.6	5.6	4.2
160°	13.9	12.5	12.5	11.1	9.7	8.3	7.0	7.0	5.6	4.2	4.2
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-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9
2.5°	2533.1	2517.8	2531.7	2549.8	2549.8	2547.0	2544.2	2549.8	2563.7	2558.1	2541.4
5°	2528.9	2513.6	2526.1	2544.2	2544.2	2540.0	2537.3	2541.4	2556.7	2549.8	2534.5
7.5°	2520.6	2506.7	2515.0	2531.7	2531.7	2527.5	2524.7	2530.3	2542.8	2535.9	2519.2
10°	2505.3	2490.0	2499.7	2515.0	2513.6	2510.8	2506.7	2513.6	2524.7	2515.0	2495.5
12.5°	2485.8	2470.5	2478.8	2492.7	2491.3	2485.8	2483.0	2487.2	2496.9	2491.3	2470.5
15°	2459.4	2444.1	2451.0	2464.9	2460.7	2456.6	2451.0	2452.4	2464.9	2455.2	2432.9
17.5°	2427.4	2410.7	2416.2	2428.8	2424.6	2420.4	2413.5	2414.8	2428.8	2414.8	2391.2
20°	2388.4	2370.3	2374.5	2389.8	2382.8	2375.9	2368.9	2368.9	2382.8	2367.5	2341.1
22.5°	2346.7	2328.6	2331.4	2342.5	2336.9	2324.4	2317.5	2321.6	2328.6	2309.1	2281.3
25°	2295.2	2271.6	2275.7	2286.9	2282.7	2266.0	2259.0	2261.8	2259.0	2243.7	2214.5
27.5°	2235.4	2210.4	2213.1	2220.1	2214.5	2199.2	2190.9	2192.3	2186.7	2167.2	2133.9
30°	2160.3	2147.8	2146.4	2150.5	2142.2	2126.9	2117.2	2114.4	2113.0	2085.2	2044.8
32.5°	2083.8	2072.6	2065.7	2071.3	2061.5	2046.2	2029.5	2029.5	2015.6	1989.2	1954.4
35°	2005.9	1987.8	1980.8	1985.0	1973.9	1954.4	1940.5	1933.5	1912.7	1879.3	1841.7
37.5°	1905.7	1893.2	1884.9	1889.0	1876.5	1862.6	1836.2	1829.2	1807.0	1761.1	1713.8
40°	1797.2	1787.5	1779.1	1783.3	1769.4	1748.5	1724.9	1713.8	1688.7	1637.3	1599.7
42.5°	1680.4	1676.2	1666.5	1681.8	1653.9	1633.1	1609.4	1591.3	1566.3	1510.7	1467.5
45°	1556.6	1566.3	1544.1	1548.2	1530.1	1512.1	1487.0	1460.6	1435.6	1382.7	1334.0
47.5°	1425.8	1432.8	1417.5	1420.3	1400.8	1384.1	1361.8	1328.4	1300.6	1254.7	1211.6
50°	1290.9	1288.1	1288.1	1285.3	1270.0	1249.2	1226.9	1196.3	1168.5	1126.7	1090.6
52.5°	1147.6	1153.2	1156.0	1162.9	1143.4	1130.9	1096.1	1069.7	1048.8	1005.7	975.1
55°	1009.9	1029.4	1023.8	1026.6	1004.3	994.6	966.8	945.9	915.3	890.3	870.8
57.5°	884.7	888.9	891.7	895.8	886.1	866.6	844.4	827.7	804.0	783.2	769.2
60°	763.7	763.7	765.1	772.0	762.3	745.6	728.9	716.4	699.7	687.2	678.8
62.5°	649.6	659.4	660.7	655.2	642.7	634.3	623.2	616.2	605.1	600.9	598.1
65°	543.9	543.9	543.9	546.7	539.7	534.2	527.2	525.8	530.0	524.4	527.2
67.5°	454.9	450.7	447.9	449.3	446.5	443.7	442.4	446.5	454.9	454.9	461.8
70°	378.4	370.0	364.5	364.5	364.5	365.8	370.0	378.4	392.3	397.8	407.6
72.5°	315.8	297.7	289.3	289.3	290.7	296.3	308.8	324.1	336.6	347.8	360.3
75°	256.0	237.9	225.3	224.0	226.7	235.1	253.2	267.1	287.9	303.2	318.5
77.5°	207.3	185.0	169.7	168.3	172.5	185.0	207.3	225.3	249.0	265.7	282.4
80°	165.5	140.5	128.0	119.6	126.6	141.9	166.9	189.2	211.4	233.7	254.6
82.5°	132.1	108.5	89.0	80.7	89.0	109.9	133.5	160.0	182.2	205.9	226.7
85°	104.3	79.3	57.0	48.7	58.4	80.7	107.1	133.5	158.6	182.2	203.1
87.5°	82.1	57.0	34.8	23.6	36.2	59.8	84.9	111.3	137.7	161.4	182.2
90°	64.0	40.3	19.5	2.8	20.9	43.1	68.2	93.2	119.6	143.3	164.1
92.5°	54.3	30.6	11.1	0.0	12.5	32.0	55.6	80.7	104.3	128.0	148.8
95°	45.9	25.0	8.3	0.0	8.3	25.0	45.9	68.2	91.8	115.5	136.3
97.5°	38.9	19.5	5.6	0.0	5.6	19.5	37.6	59.8	80.7	102.9	122.4
100°	33.4	16.7	4.2	0.0	4.2	15.3	32.0	51.5	72.3	93.2	111.3
102.5°	29.2	13.9	2.8	0.0	2.8	12.5	26.4	44.5	62.6	82.1	100.2
105°	25.0	11.1	2.8	0.0	1.4	9.7	22.3	38.9	55.6	73.7	90.4
107.5°	22.3	9.7	2.8	0.0	1.4	8.3	19.5	33.4	50.1	65.4	80.7
110°	19.5	8.3	2.8	0.0	1.4	5.6	16.7	29.2	43.1	58.4	73.7



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	16.7	7.0	1.4	0.0	0.0	4.2	13.9	25.0	37.6	52.9	65.4
115°	15.3	7.0	1.4	0.0	0.0	2.8	11.1	22.3	33.4	47.3	58.4
117.5°	13.9	5.6	1.4	0.0	1.4	2.8	9.7	19.5	29.2	40.3	52.9
120°	12.5	5.6	1.4	0.0	1.4	1.4	7.0	16.7	25.0	36.2	45.9
122.5°	11.1	5.6	1.4	0.0	1.4	1.4	5.6	13.9	22.3	32.0	40.3
125°	9.7	4.2	2.8	1.4	1.4	1.4	4.2	11.1	19.5	26.4	36.2
127.5°	9.7	4.2	2.8	1.4	1.4	1.4	2.8	9.7	15.3	23.6	32.0
130°	8.3	4.2	2.8	1.4	1.4	1.4	1.4	7.0	13.9	19.5	26.4
132.5°	7.0	4.2	2.8	1.4	1.4	1.4	1.4	4.2	9.7	16.7	22.3
135°	7.0	4.2	2.8	1.4	1.4	1.4	1.4	2.8	7.0	12.5	18.1
137.5°	5.6	2.8	2.8	1.4	1.4	1.4	1.4	1.4	5.6	9.7	13.9
140°	5.6	2.8	2.8	1.4	1.4	1.4	1.4	1.4	4.2	7.0	11.1
142.5°	4.2	2.8	2.8	1.4	1.4	1.4	1.4	1.4	2.8	5.6	8.3
145°	4.2	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	2.8	5.6
147.5°	4.2	4.2	2.8	1.4	1.4	1.4	1.4	1.4	1.4	2.8	4.2
150°	4.2	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
152.5°	4.2	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
155°	4.2	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8
157.5°	4.2	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
160°	4.2	2.8	2.8	1.4	2.8	1.4	2.8	2.8	2.8	2.8	2.8
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-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9
2.5°	2535.9	2509.4	2523.3	2519.2	2524.7	2535.9	2534.5	2531.7	2531.7	2527.5	2522.0
5°	2527.5	2502.5	2515.0	2508.0	2515.0	2524.7	2523.3	2519.2	2522.0	2515.0	2508.0
7.5°	2510.8	2488.6	2499.7	2494.1	2499.7	2509.4	2505.3	2503.9	2506.7	2495.5	2491.3
10°	2491.3	2466.3	2478.8	2471.9	2478.8	2485.8	2483.0	2477.4	2483.0	2471.9	2467.7
12.5°	2460.7	2439.9	2448.2	2445.4	2449.6	2456.6	2451.0	2446.8	2449.6	2439.9	2431.5
15°	2427.4	2406.5	2413.5	2409.3	2412.1	2420.4	2410.7	2409.3	2406.5	2396.8	2394.0
17.5°	2384.2	2364.8	2371.7	2364.8	2368.9	2366.2	2364.8	2357.8	2357.8	2346.7	2338.3
20°	2331.4	2314.7	2310.5	2305.0	2310.5	2305.0	2296.6	2291.0	2289.6	2278.5	2271.6
22.5°	2270.2	2250.7	2253.5	2238.2	2239.6	2231.2	2217.3	2211.8	2206.2	2193.7	2183.9
25°	2196.4	2177.0	2163.1	2153.3	2140.8	2139.4	2121.3	2107.4	2106.0	2090.7	2089.3
27.5°	2113.0	2090.7	2079.6	2056.0	2040.7	2028.1	2012.8	1998.9	1992.0	1975.3	1964.1
30°	2017.0	1992.0	1964.1	1947.5	1923.8	1914.1	1887.6	1870.9	1865.4	1847.3	1839.0
32.5°	1908.5	1882.1	1859.8	1827.8	1801.4	1787.5	1761.1	1744.4	1737.4	1717.9	1706.8
35°	1790.3	1761.1	1734.6	1704.0	1683.2	1659.5	1627.5	1610.8	1595.5	1588.6	1580.2
37.5°	1666.5	1634.5	1603.9	1573.3	1555.2	1527.4	1499.5	1488.4	1470.3	1463.4	1455.0
40°	1538.5	1506.5	1477.3	1448.1	1427.2	1402.2	1377.1	1373.0	1353.5	1346.5	1341.0
42.5°	1411.9	1378.5	1345.1	1324.3	1309.0	1283.9	1267.2	1263.1	1246.4	1242.2	1242.2
45°	1297.8	1256.1	1228.3	1210.2	1197.7	1176.8	1162.9	1160.1	1146.2	1143.4	1143.4
47.5°	1175.4	1136.5	1115.6	1104.5	1093.4	1078.1	1069.7	1069.7	1055.8	1053.0	1051.6
50°	1061.4	1025.2	1009.9	998.8	997.4	986.2	979.3	976.5	976.5	966.8	968.2
52.5°	952.9	934.8	922.3	915.3	907.0	900.0	894.4	894.4	890.3	883.3	886.1
55°	852.7	831.8	833.2	827.7	823.5	819.3	820.7	812.4	811.0	805.4	809.6
57.5°	752.6	752.6	749.8	745.6	738.6	741.4	741.4	741.4	734.5	730.3	734.5
60°	667.7	671.9	664.9	669.1	666.3	667.7	664.9	664.9	660.7	659.4	660.7
62.5°	592.6	599.5	596.8	602.3	599.5	600.9	603.7	598.1	595.4	592.6	595.4
65°	525.8	534.2	532.8	536.9	538.3	539.7	541.1	538.3	535.5	532.8	531.4
67.5°	467.4	475.7	481.3	482.7	484.1	488.3	486.9	484.1	481.3	477.1	475.7
70°	414.5	425.7	432.6	435.4	441.0	438.2	438.2	436.8	434.0	429.8	428.4
72.5°	370.0	382.5	389.5	392.3	397.8	397.8	396.4	395.1	392.3	388.1	386.7
75°	331.1	342.2	351.9	357.5	361.7	361.7	360.3	358.9	356.1	353.3	351.9
77.5°	300.5	310.2	318.5	325.5	328.3	329.7	328.3	325.5	325.5	324.1	322.7
80°	269.9	281.0	289.3	296.3	300.5	300.5	299.1	300.5	297.7	296.3	294.9
82.5°	243.4	256.0	265.7	272.6	275.4	276.8	275.4	276.8	274.0	274.0	274.0
85°	219.8	232.3	243.4	249.0	253.2	254.6	254.6	254.6	253.2	253.2	253.2
87.5°	200.3	212.8	224.0	229.5	233.7	235.1	235.1	236.5	233.7	233.7	233.7
90°	182.2	194.7	205.9	211.4	215.6	218.4	218.4	219.8	218.4	217.0	217.0
92.5°	165.5	179.4	190.6	196.1	200.3	204.5	204.5	205.9	203.1	203.1	203.1
95°	151.6	165.5	175.3	182.2	186.4	189.2	190.6	190.6	189.2	189.2	189.2
97.5°	139.1	151.6	161.4	168.3	172.5	173.9	175.3	176.7	175.3	175.3	175.3
100°	126.6	139.1	148.8	154.4	160.0	161.4	162.8	164.1	164.1	162.8	162.8
102.5°	115.5	128.0	136.3	143.3	147.5	150.2	151.6	151.6	151.6	151.6	151.6
105°	104.3	116.8	125.2	132.1	136.3	139.1	140.5	141.9	141.9	140.5	140.5
107.5°	94.6	105.7	115.5	121.0	126.6	129.4	130.8	130.8	132.1	130.8	130.8
110°	84.9	97.4	105.7	111.3	116.8	119.6	121.0	122.4	122.4	122.4	122.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	77.9	87.6	96.0	101.5	107.1	109.9	111.3	112.7	114.1	112.7	112.7
115°	69.6	79.3	87.6	93.2	97.4	100.2	102.9	104.3	104.3	105.7	104.3
117.5°	62.6	70.9	79.3	84.9	89.0	93.2	94.6	96.0	97.4	96.0	96.0
120°	55.6	64.0	70.9	76.5	80.7	84.9	86.2	87.6	89.0	87.6	87.6
122.5°	50.1	57.0	64.0	69.6	73.7	76.5	79.3	79.3	80.7	80.7	80.7
125°	44.5	51.5	57.0	62.6	66.8	69.6	70.9	72.3	72.3	73.7	73.7
127.5°	38.9	44.5	51.5	55.6	59.8	62.6	64.0	65.4	65.4	66.8	66.8
130°	33.4	38.9	44.5	48.7	52.9	55.6	57.0	58.4	59.8	59.8	59.8
132.5°	29.2	34.8	38.9	43.1	45.9	48.7	51.5	52.9	52.9	52.9	52.9
135°	23.6	29.2	33.4	37.6	40.3	43.1	44.5	47.3	47.3	47.3	47.3
137.5°	19.5	25.0	29.2	32.0	34.8	37.6	38.9	40.3	41.7	41.7	41.7
140°	15.3	19.5	23.6	27.8	30.6	32.0	34.8	34.8	36.2	36.2	36.2
142.5°	11.1	15.3	18.1	22.3	25.0	27.8	29.2	30.6	30.6	30.6	30.6
145°	8.3	11.1	13.9	16.7	20.9	22.3	23.6	25.0	26.4	26.4	26.4
147.5°	5.6	8.3	9.7	12.5	15.3	18.1	19.5	20.9	22.3	22.3	22.3
150°	4.2	5.6	8.3	9.7	11.1	13.9	16.7	16.7	18.1	18.1	16.7
152.5°	2.8	4.2	5.6	7.0	8.3	9.7	12.5	12.5	13.9	13.9	13.9
155°	2.8	2.8	2.8	4.2	5.6	7.0	8.3	9.7	9.7	9.7	9.7
157.5°	2.8	2.8	2.8	2.8	2.8	4.2	5.6	7.0	7.0	7.0	7.0
160°	2.8	2.8	1.4	1.4	2.8	2.8	2.8	2.8	4.2	4.2	4.2
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-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9
2.5°	2526.1	2528.9	2528.9	2526.1	2524.7	2530.3	2523.3	2496.9	2505.3	2508.0	2516.4
5°	2513.6	2516.4	2516.4	2516.4	2513.6	2519.2	2512.2	2485.8	2495.5	2499.7	2505.3
7.5°	2495.5	2496.9	2499.7	2498.3	2495.5	2503.9	2496.9	2470.5	2477.4	2484.4	2491.3
10°	2471.9	2471.9	2473.3	2476.0	2473.3	2480.2	2473.3	2449.6	2456.6	2460.7	2469.1
12.5°	2439.9	2442.7	2444.1	2442.7	2441.3	2446.8	2444.1	2421.8	2424.6	2432.9	2441.3
15°	2396.8	2396.8	2403.7	2400.9	2400.9	2406.5	2409.3	2384.2	2388.4	2400.9	2409.3
17.5°	2343.9	2345.3	2350.9	2353.6	2352.2	2362.0	2363.4	2343.9	2342.5	2357.8	2366.2
20°	2275.7	2278.5	2285.5	2291.0	2291.0	2302.2	2306.3	2293.8	2295.2	2311.9	2314.7
22.5°	2192.3	2192.3	2204.8	2213.1	2220.1	2227.1	2239.6	2228.4	2228.4	2250.7	2263.2
25°	2089.3	2099.1	2103.2	2119.9	2129.7	2149.2	2160.3	2161.7	2163.1	2183.9	2192.3
27.5°	1975.3	1978.1	1990.6	2010.1	2021.2	2039.3	2060.1	2064.3	2071.3	2099.1	2111.6
30°	1845.9	1854.3	1859.8	1887.6	1902.9	1926.6	1953.0	1962.8	1968.3	2005.9	2021.2
32.5°	1713.8	1716.5	1740.2	1755.5	1773.6	1798.6	1829.2	1847.3	1858.4	1897.4	1919.6
35°	1581.6	1587.2	1606.6	1626.1	1644.2	1669.2	1701.2	1726.3	1745.8	1780.5	1809.7
37.5°	1460.6	1474.5	1478.7	1498.1	1512.1	1537.1	1559.4	1595.5	1615.0	1651.2	1688.7
40°	1352.1	1356.3	1359.0	1378.5	1388.3	1411.9	1443.9	1467.5	1494.0	1520.4	1564.9
42.5°	1245.0	1247.8	1251.9	1263.1	1274.2	1290.9	1314.5	1338.2	1366.0	1404.9	1434.2
45°	1146.2	1149.0	1151.8	1158.7	1168.5	1183.8	1199.1	1215.8	1243.6	1277.0	1307.6
47.5°	1054.4	1060.0	1060.0	1061.4	1068.3	1080.8	1092.0	1112.8	1128.1	1146.2	1181.0
50°	966.8	970.9	972.3	972.3	976.5	984.9	987.6	1001.5	1015.5	1032.2	1057.2
52.5°	884.7	884.7	883.3	888.9	888.9	894.4	895.8	904.2	913.9	932.0	943.1
55°	806.8	806.8	811.0	808.2	808.2	811.0	809.6	811.0	819.3	830.4	840.2
57.5°	731.7	730.3	734.5	731.7	730.3	733.1	735.9	730.3	731.7	742.8	742.8
60°	656.6	658.0	662.1	659.4	659.4	659.4	656.6	653.8	651.0	658.0	660.7
62.5°	596.8	592.6	596.8	592.6	595.4	594.0	591.2	585.6	587.0	584.2	581.5
65°	534.2	534.2	535.5	531.4	534.2	534.2	530.0	528.6	520.2	517.5	510.5
67.5°	479.9	479.9	481.3	478.5	478.5	479.9	475.7	471.6	463.2	459.0	449.3
70°	432.6	432.6	432.6	431.2	431.2	431.2	428.4	422.9	414.5	407.6	395.1
72.5°	389.5	390.9	389.5	389.5	393.7	389.5	385.3	379.8	372.8	358.9	347.8
75°	354.7	356.1	354.7	354.7	354.7	353.3	351.9	343.6	335.2	324.1	307.4
77.5°	324.1	324.1	325.5	324.1	324.1	322.7	318.5	311.6	301.9	292.1	272.6
80°	294.9	296.3	297.7	299.1	296.3	294.9	290.7	285.2	272.6	261.5	242.0
82.5°	274.0	272.6	274.0	275.4	272.6	271.3	267.1	260.1	250.4	235.1	215.6
85°	253.2	251.8	251.8	253.2	251.8	249.0	244.8	237.9	228.1	212.8	193.4
87.5°	232.3	233.7	235.1	233.7	232.3	229.5	225.3	218.4	207.3	194.7	173.9
90°	217.0	217.0	217.0	217.0	215.6	212.8	208.7	200.3	190.6	175.3	157.2
92.5°	203.1	203.1	203.1	203.1	201.7	197.5	193.4	186.4	175.3	160.0	143.3
95°	189.2	190.6	189.2	189.2	186.4	185.0	178.1	171.1	161.4	146.1	128.0
97.5°	173.9	175.3	173.9	173.9	172.5	169.7	165.5	157.2	147.5	133.5	116.8
100°	162.8	162.8	161.4	161.4	160.0	157.2	151.6	144.7	134.9	121.0	104.3
102.5°	150.2	151.6	150.2	150.2	147.5	144.7	140.5	133.5	123.8	109.9	94.6
105°	140.5	140.5	139.1	139.1	136.3	133.5	129.4	121.0	112.7	100.2	84.9
107.5°	130.8	130.8	129.4	129.4	126.6	123.8	118.2	111.3	102.9	90.4	76.5
110°	121.0	121.0	121.0	119.6	116.8	112.7	108.5	101.5	93.2	82.1	68.2





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	114.1	112.7	111.3	109.9	107.1	104.3	98.8	91.8	83.5	73.7	61.2
115°	104.3	104.3	102.9	101.5	98.8	94.6	90.4	84.9	76.5	65.4	54.3
117.5°	96.0	96.0	94.6	93.2	90.4	86.2	82.1	76.5	68.2	58.4	48.7
120°	87.6	87.6	86.2	84.9	82.1	77.9	75.1	68.2	61.2	51.5	43.1
122.5°	80.7	79.3	79.3	76.5	75.1	70.9	66.8	61.2	54.3	45.9	37.6
125°	72.3	72.3	70.9	69.6	68.2	64.0	59.8	54.3	47.3	40.3	33.4
127.5°	65.4	65.4	64.0	62.6	61.2	57.0	52.9	48.7	41.7	34.8	27.8
130°	58.4	58.4	57.0	55.6	54.3	50.1	47.3	41.7	36.2	30.6	23.6
132.5°	52.9	52.9	51.5	50.1	47.3	44.5	41.7	36.2	32.0	26.4	20.9
135°	47.3	45.9	45.9	44.5	41.7	38.9	36.2	32.0	26.4	22.3	16.7
137.5°	41.7	40.3	38.9	37.6	36.2	33.4	30.6	27.8	23.6	18.1	13.9
140°	36.2	34.8	34.8	33.4	30.6	29.2	26.4	22.3	19.5	15.3	11.1
142.5°	30.6	30.6	29.2	27.8	26.4	25.0	22.3	19.5	15.3	12.5	8.3
145°	26.4	25.0	25.0	23.6	22.3	19.5	18.1	15.3	12.5	9.7	7.0
147.5°	20.9	20.9	20.9	19.5	18.1	16.7	15.3	12.5	9.7	7.0	4.2
150°	16.7	16.7	16.7	15.3	13.9	12.5	11.1	9.7	7.0	4.2	2.8
152.5°	13.9	13.9	12.5	12.5	11.1	9.7	8.3	7.0	4.2	2.8	2.8
155°	9.7	9.7	9.7	8.3	8.3	7.0	5.6	4.2	2.8	2.8	2.8
157.5°	7.0	7.0	7.0	5.6	5.6	4.2	4.2	2.8	2.8	2.8	2.8
160°	4.2	4.2	4.2	4.2	2.8	2.8	2.8	2.8	2.8	2.8	2.8
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-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9
2.5°	2512.2	2510.8	2522.0	2522.0	2509.4	2528.9	2549.8
5°	2503.9	2502.5	2513.6	2513.6	2502.5	2522.0	2544.2
7.5°	2487.2	2488.6	2499.7	2502.5	2488.6	2506.7	2530.3
10°	2469.1	2467.7	2480.2	2483.0	2471.9	2488.6	2510.8
12.5°	2439.9	2439.9	2452.4	2456.6	2445.4	2464.9	2485.8
15°	2409.3	2409.3	2417.6	2424.6	2414.8	2432.9	2453.8
17.5°	2370.3	2368.9	2377.3	2385.6	2375.9	2395.4	2417.6
20°	2320.3	2320.3	2330.0	2339.7	2332.8	2350.9	2375.9
22.5°	2267.4	2261.8	2278.5	2285.5	2281.3	2299.4	2324.4
25°	2200.6	2199.2	2215.9	2225.7	2220.1	2239.6	2261.8
27.5°	2128.3	2126.9	2143.6	2156.1	2153.3	2171.4	2196.4
30°	2040.7	2047.6	2062.9	2083.8	2076.8	2096.3	2122.7
32.5°	1948.8	1955.8	1973.9	1996.1	1997.5	2012.8	2039.3
35°	1839.0	1857.0	1869.6	1898.8	1904.3	1919.6	1947.5
37.5°	1723.5	1744.4	1770.8	1793.0	1804.2	1816.7	1848.7
40°	1594.1	1624.7	1653.9	1680.4	1694.3	1706.8	1737.4
42.5°	1477.3	1500.9	1528.8	1555.2	1580.2	1591.3	1623.3
45°	1345.1	1373.0	1398.0	1430.0	1455.0	1467.5	1499.5
47.5°	1215.8	1243.6	1277.0	1299.2	1325.7	1338.2	1368.8
50°	1092.0	1117.0	1144.8	1171.3	1193.5	1204.6	1231.1
52.5°	969.6	996.0	1022.4	1039.1	1062.8	1071.1	1093.4
55°	861.1	879.1	902.8	912.5	936.2	941.7	957.0
57.5°	756.7	769.2	777.6	794.3	811.0	823.5	841.6
60°	662.1	667.7	673.3	683.0	696.9	701.1	708.0
62.5°	577.3	575.9	587.0	589.8	591.2	605.1	598.1
65°	502.2	503.6	493.8	489.6	495.2	499.4	496.6
67.5°	439.6	431.2	422.9	413.1	404.8	409.0	404.8
70°	378.4	371.4	357.5	343.6	338.0	329.7	325.5
72.5°	329.7	313.0	299.1	281.0	271.3	261.5	254.6
75°	292.1	268.5	249.0	229.5	215.6	201.7	198.9
77.5°	253.2	230.9	208.7	187.8	166.9	151.6	146.1
80°	222.6	201.7	175.3	150.2	128.0	108.5	101.5
82.5°	194.7	172.5	146.1	119.6	94.6	73.7	65.4
85°	171.1	147.5	121.0	94.6	69.6	47.3	36.2
87.5°	153.0	126.6	100.2	75.1	48.7	26.4	13.9
90°	136.3	111.3	86.2	59.8	34.8	13.9	0.0
92.5°	121.0	97.4	72.3	48.7	26.4	8.3	1.4
95°	107.1	86.2	61.2	38.9	19.5	5.6	1.4
97.5°	96.0	75.1	52.9	32.0	15.3	4.2	1.4
100°	86.2	65.4	45.9	26.4	12.5	2.8	1.4
102.5°	76.5	58.4	38.9	22.3	9.7	1.4	1.4
105°	68.2	51.5	33.4	19.5	8.3	1.4	1.4
107.5°	61.2	45.9	29.2	16.7	5.6	1.4	1.4
110°	54.3	38.9	25.0	13.9	4.2	1.4	1.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	48.7	34.8	22.3	11.1	2.8	1.4	1.4
115°	43.1	30.6	19.5	9.7	2.8	1.4	1.4
117.5°	37.6	26.4	16.7	7.0	1.4	1.4	1.4
120°	33.4	23.6	13.9	5.6	1.4	1.4	1.4
122.5°	29.2	19.5	11.1	4.2	1.4	1.4	1.4
125°	25.0	16.7	9.7	2.8	1.4	1.4	1.4
127.5°	20.9	13.9	7.0	2.8	1.4	1.4	1.4
130°	18.1	11.1	5.6	1.4	1.4	1.4	1.4
132.5°	15.3	8.3	4.2	1.4	1.4	1.4	1.4
135°	12.5	7.0	2.8	1.4	1.4	1.4	1.4
137.5°	9.7	5.6	2.8	1.4	1.4	1.4	1.4
140°	7.0	4.2	1.4	1.4	1.4	1.4	1.4
142.5°	5.6	2.8	1.4	1.4	1.4	1.4	1.4
145°	4.2	2.8	1.4	1.4	1.4	1.4	1.4
147.5°	2.8	2.8	2.8	2.8	1.4	1.4	1.4
150°	2.8	2.8	1.4	1.4	2.8	1.4	1.4
152.5°	2.8	1.4	1.4	1.4	2.8	1.4	1.4
155°	2.8	2.8	2.8	2.8	2.8	2.8	1.4
157.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8
160°	2.8	2.8	2.8	2.8	2.8	2.8	2.8
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)