

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-L940-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-L940-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

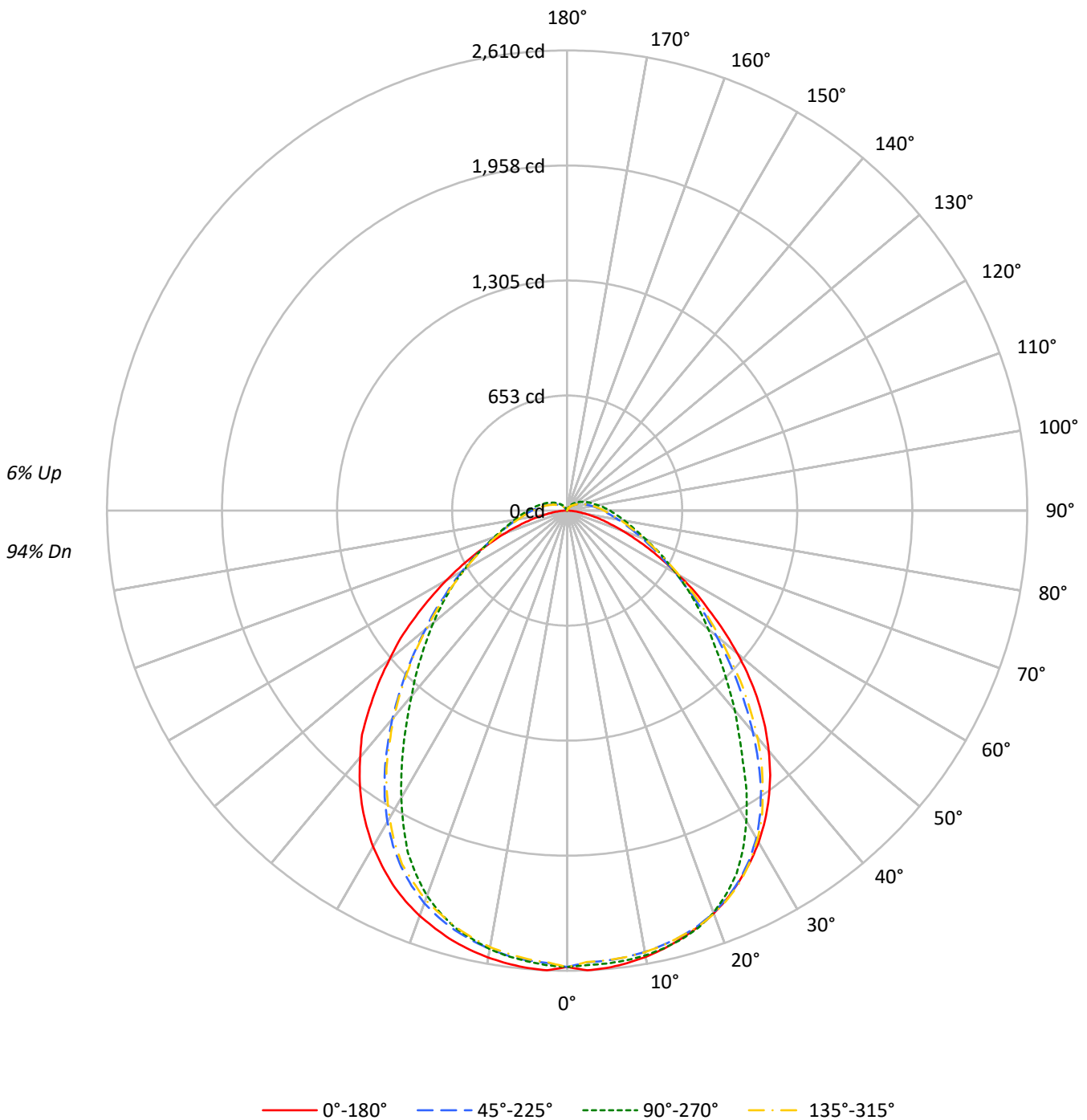
Lumens per Lamp: N/A  
Luminaire Lumens: 6551.0 lumens  
Efficiency: N/A  
Efficacy: 119.1 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.14 / 1.24  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

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



TEST NUMBER: P#  
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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°	10459	10459	10459	10459
5°	10548	10126	10548	10081
10°	10516	9857	10533	9720
15°	10463	9563	10510	9314
20°	10398	9184	10459	8796
25°	10247	8622	10360	8114
30°	10047	7797	10179	7218
35°	9726	6785	9913	6318
40°	9259	5934	9503	5506
45°	8636	5158	8916	4863
50°	7776	4533	8119	4304
55°	6750	4003	7241	3800
60°	5702	3514	6217	3312
65°	4702	3107	5177	2881
70°	3774	2757	4226	2550
75°	3003	2546	3381	2342
80°	2221	2456	2618	2245
85°	1455	2470	1959	2270



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	245.4	3.7
10°-20°	703.7	10.7
20°-30°	1042.9	15.9
30°-40°	1158.6	17.7
40°-50°	1050.3	16.0
50°-60°	813.9	12.4
60°-70°	552.7	8.4
70°-80°	351.6	5.4
80°-90°	224.8	3.4
90°-100°	151.6	2.3
100°-110°	103.8	1.6
110°-120°	69.2	1.1
120°-130°	43.1	0.7
130°-140°	23.8	0.4
140°-150°	11.2	0.2
150°-160°	4.1	0.1
160°-170°	0.3	0.0
170°-180°	0.0	0.0
0°-30°	1992.0	30.4
0°-40°	3150.7	48.1
0°-60°	5014.9	76.6
0°-90°	6143.9	93.8
90°-120°	324.6	5.0
90°-150°	402.7	6.1
90°-180°	407.0	6.2
0°-180°	6551.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2589	2589	2589	2589	2589	
5°	2604	2579	2604	2567	2604	247
15°	2512	2516	2523	2450	2512	709
25°	2315	2272	2341	2139	2315	1066
35°	1993	1737	2032	1618	1993	1244
45°	1535	1242	1585	1170	1535	1179
55°	980	873	1051	829	980	882
65°	508	587	560	544	508	510
75°	204	392	229	360	204	219
85°	37	282	50	259	37	44
90°	0	244	3	222	0	2
95°	1	208	0	194	1	1
105°	1	152	0	144	1	1
115°	1	115	0	107	1	1
125°	1	85	1	76	1	1
135°	1	60	1	48	1	1
145°	1	38	1	27	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	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LN-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6
2.5°	2609.9	2607.1	2604.2	2600.0	2604.2	2615.6	2608.5	2592.8	2590.0	2564.4	2575.8
5°	2604.2	2600.0	2597.1	2592.8	2598.5	2612.8	2605.7	2591.4	2587.2	2562.9	2575.8
7.5°	2590.0	2587.2	2582.9	2582.9	2588.6	2602.8	2597.1	2581.5	2578.6	2554.4	2568.6
10°	2570.1	2568.6	2565.8	2565.8	2571.5	2588.6	2581.5	2567.2	2564.4	2541.6	2557.2
12.5°	2544.4	2545.9	2541.6	2541.6	2550.1	2567.2	2561.5	2545.9	2543.0	2523.1	2538.7
15°	2511.7	2513.1	2510.3	2511.7	2520.2	2540.2	2533.0	2518.8	2516.0	2500.3	2513.1
17.5°	2474.7	2476.1	2476.1	2474.7	2484.6	2504.6	2498.9	2486.1	2481.8	2469.0	2484.6
20°	2431.9	2431.9	2431.9	2431.9	2443.3	2463.3	2456.2	2446.2	2437.6	2427.7	2440.5
22.5°	2379.3	2377.8	2379.3	2383.5	2394.9	2410.6	2406.3	2394.9	2382.1	2376.4	2386.4
25°	2315.2	2319.5	2320.9	2325.2	2339.4	2352.2	2347.9	2336.6	2316.6	2312.3	2315.2
27.5°	2248.3	2251.1	2255.4	2254.0	2273.9	2286.7	2278.2	2268.2	2239.7	2235.5	2232.6
30°	2172.8	2177.1	2179.9	2178.5	2194.2	2208.4	2199.9	2187.0	2148.6	2145.8	2123.0
32.5°	2087.4	2091.6	2094.5	2094.5	2117.3	2123.0	2107.3	2088.8	2047.5	2037.5	2017.6
35°	1993.4	1997.7	1999.1	1999.1	2021.9	2020.5	2000.5	1974.9	1929.3	1916.5	1882.3
37.5°	1892.3	1895.2	1896.6	1905.1	1915.1	1906.5	1880.9	1848.2	1814.0	1778.4	1741.4
40°	1778.4	1782.7	1785.5	1791.2	1801.2	1791.2	1754.2	1714.3	1677.3	1637.4	1600.4
42.5°	1661.6	1674.5	1671.6	1670.2	1675.9	1648.8	1620.4	1574.8	1537.8	1496.5	1459.5
45°	1534.9	1533.5	1540.6	1543.5	1542.0	1519.3	1479.4	1438.1	1401.1	1358.4	1327.0
47.5°	1401.1	1399.7	1405.3	1408.2	1399.7	1375.4	1344.1	1297.1	1265.8	1228.8	1204.6
50°	1260.1	1260.1	1268.7	1260.1	1255.8	1231.6	1206.0	1159.0	1134.8	1102.1	1087.8
52.5°	1119.2	1132.0	1123.4	1120.6	1116.3	1092.1	1072.2	1033.7	1013.8	999.5	982.5
55°	979.6	993.9	988.2	983.9	982.5	962.5	944.0	915.5	902.7	892.8	882.8
57.5°	861.4	860.0	857.2	852.9	854.3	838.7	820.1	804.5	798.8	794.5	797.4
60°	724.7	736.1	731.9	733.3	734.7	731.9	716.2	706.2	707.7	709.1	713.4
62.5°	612.3	622.2	629.3	623.6	626.5	630.8	622.2	619.4	625.1	630.8	636.5
65°	508.3	518.3	525.4	524.0	532.5	541.1	539.6	542.5	555.3	562.4	569.5
67.5°	414.3	424.3	434.3	435.7	448.5	461.3	467.0	477.0	491.2	501.2	509.7
70°	333.2	341.7	353.1	360.2	377.3	394.4	404.4	424.3	432.9	447.1	452.8
72.5°	260.6	267.7	283.3	300.4	314.7	336.0	356.0	373.1	385.9	401.5	408.6
75°	203.6	206.5	223.5	243.5	263.4	287.6	309.0	327.5	344.6	360.2	371.6
77.5°	149.5	153.8	169.4	196.5	219.3	244.9	269.1	289.0	307.6	323.2	338.9
80°	103.9	112.5	129.6	156.6	182.3	210.7	233.5	256.3	276.2	291.9	307.6
82.5°	66.9	74.0	98.2	125.3	152.4	180.8	205.0	227.8	249.2	266.3	280.5
85°	37.0	47.0	71.2	99.7	126.7	155.2	180.8	203.6	225.0	240.6	254.9
87.5°	14.2	28.5	51.3	78.3	105.4	132.4	159.5	180.8	202.2	219.3	232.1
90°	0.0	17.1	38.4	65.5	92.6	119.6	145.2	168.0	187.9	203.6	217.9
92.5°	1.4	11.4	29.9	52.7	78.3	103.9	128.1	150.9	170.9	186.5	199.3
95°	1.4	8.5	24.2	45.6	68.3	92.6	115.3	136.7	155.2	170.9	183.7
97.5°	1.4	5.7	19.9	39.9	59.8	84.0	105.4	125.3	142.4	158.0	168.0
100°	1.4	5.7	17.1	34.2	54.1	75.5	95.4	115.3	131.0	143.8	155.2
102.5°	1.4	4.3	14.2	29.9	48.4	66.9	86.9	105.4	119.6	132.4	143.8
105°	1.4	4.3	12.8	25.6	42.7	61.2	78.3	95.4	111.1	122.5	132.4
107.5°	1.4	2.8	11.4	21.4	37.0	55.5	72.6	86.9	101.1	112.5	122.5
110°	1.4	2.8	10.0	19.9	32.7	49.8	65.5	79.7	92.6	103.9	112.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.4	2.8	8.5	18.5	29.9	44.1	59.8	72.6	85.4	95.4	103.9
115°	1.4	2.8	8.5	17.1	27.1	38.4	52.7	66.9	76.9	88.3	95.4
117.5°	1.4	2.8	7.1	14.2	25.6	35.6	48.4	59.8	71.2	81.2	88.3
120°	1.4	2.8	7.1	12.8	22.8	32.7	42.7	54.1	65.5	72.6	79.7
122.5°	1.4	2.8	5.7	12.8	19.9	29.9	38.4	48.4	58.4	66.9	74.0
125°	1.4	2.8	5.7	11.4	18.5	27.1	35.6	42.7	52.7	59.8	66.9
127.5°	1.4	2.8	5.7	10.0	17.1	24.2	32.7	39.9	47.0	54.1	59.8
130°	1.4	2.8	4.3	8.5	15.7	21.4	28.5	37.0	42.7	48.4	54.1
132.5°	1.4	2.8	4.3	8.5	12.8	18.5	25.6	32.7	38.4	44.1	48.4
135°	1.4	2.8	4.3	7.1	11.4	17.1	21.4	28.5	34.2	39.9	44.1
137.5°	1.4	2.8	4.3	7.1	10.0	14.2	18.5	24.2	29.9	34.2	39.9
140°	1.4	2.8	4.3	5.7	8.5	12.8	17.1	19.9	25.6	29.9	34.2
142.5°	1.4	2.8	4.3	5.7	8.5	11.4	14.2	17.1	21.4	25.6	29.9
145°	1.4	2.8	4.3	5.7	7.1	10.0	12.8	15.7	17.1	21.4	24.2
147.5°	1.4	2.8	4.3	5.7	5.7	8.5	11.4	12.8	15.7	17.1	19.9
150°	1.4	2.8	4.3	4.3	5.7	7.1	10.0	11.4	12.8	15.7	17.1
152.5°	1.4	2.8	4.3	4.3	5.7	7.1	8.5	10.0	11.4	12.8	14.2
155°	1.4	2.8	4.3	4.3	4.3	5.7	7.1	8.5	10.0	11.4	12.8
157.5°	2.8	2.8	2.8	4.3	4.3	5.7	5.7	7.1	8.5	8.5	10.0
160°	2.8	2.8	2.8	4.3	4.3	4.3	5.7	5.7	7.1	7.1	8.5
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°	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6
2.5°	2572.9	2577.2	2590.0	2590.0	2587.2	2584.3	2584.3	2580.0	2582.9	2588.6	2585.7
5°	2572.9	2577.2	2590.0	2590.0	2587.2	2584.3	2582.9	2578.6	2582.9	2588.6	2585.7
7.5°	2564.4	2570.1	2582.9	2582.9	2580.0	2578.6	2575.8	2572.9	2577.2	2582.9	2580.0
10°	2553.0	2558.7	2571.5	2571.5	2568.6	2568.6	2564.4	2561.5	2567.2	2571.5	2570.1
12.5°	2535.9	2543.0	2554.4	2553.0	2550.1	2551.6	2547.3	2541.6	2547.3	2551.6	2553.0
15°	2511.7	2520.2	2531.6	2528.8	2524.5	2527.3	2520.2	2516.0	2520.2	2528.8	2527.3
17.5°	2480.4	2486.1	2494.6	2494.6	2490.3	2487.5	2484.6	2480.4	2483.2	2488.9	2490.3
20°	2436.2	2443.3	2447.6	2443.3	2441.9	2437.6	2431.9	2427.7	2433.4	2441.9	2443.3
22.5°	2377.8	2379.3	2389.2	2379.3	2372.1	2370.7	2365.0	2356.5	2365.0	2372.1	2373.6
25°	2305.2	2312.3	2308.1	2291.0	2291.0	2279.6	2276.7	2272.5	2273.9	2286.7	2292.4
27.5°	2212.7	2215.5	2204.1	2189.9	2177.1	2170.0	2160.0	2161.4	2161.4	2178.5	2184.2
30°	2111.6	2095.9	2086.0	2063.2	2053.2	2036.1	2033.3	2033.3	2030.4	2039.0	2064.6
32.5°	1990.6	1969.2	1953.5	1932.2	1915.1	1898.0	1889.5	1893.7	1892.3	1913.7	1922.2
35°	1858.1	1845.3	1812.6	1785.5	1775.6	1749.9	1749.9	1737.1	1745.7	1769.9	1779.8
37.5°	1718.6	1698.7	1671.6	1641.7	1634.6	1614.7	1607.5	1600.4	1618.9	1623.2	1633.2
40°	1576.2	1557.7	1532.1	1503.6	1503.6	1479.4	1479.4	1479.4	1480.8	1489.4	1507.9
42.5°	1440.9	1421.0	1398.2	1378.3	1375.4	1356.9	1356.9	1355.5	1358.4	1365.5	1382.6
45°	1309.9	1294.3	1270.1	1260.1	1261.5	1241.6	1245.9	1241.6	1247.3	1254.4	1260.1
47.5°	1188.9	1179.0	1169.0	1154.7	1150.5	1149.1	1141.9	1136.2	1146.2	1146.2	1154.7
50°	1076.4	1070.7	1065.0	1056.5	1057.9	1052.2	1043.7	1043.7	1050.8	1052.2	1057.9
52.5°	978.2	971.1	964.0	965.4	966.8	964.0	959.7	955.4	959.7	962.5	969.6
55°	879.9	874.2	881.4	878.5	881.4	878.5	875.7	872.8	879.9	875.7	882.8
57.5°	791.7	797.4	800.2	794.5	798.8	795.9	797.4	793.1	798.8	801.6	800.2
60°	710.5	719.0	714.8	716.2	721.9	719.0	713.4	717.6	723.3	724.7	723.3
62.5°	636.5	646.4	650.7	647.9	649.3	646.4	650.7	645.0	652.1	655.0	650.7
65°	569.5	580.9	583.8	583.8	583.8	580.9	585.2	586.6	589.5	589.5	586.6
67.5°	512.6	522.6	525.4	528.3	525.4	522.6	522.6	524.0	529.7	532.5	529.7
70°	461.3	471.3	472.7	472.7	474.1	477.0	471.3	474.1	478.4	479.8	478.4
72.5°	417.2	427.2	430.0	428.6	430.0	431.4	431.4	428.6	432.9	435.7	435.7
75°	381.6	387.3	390.1	390.1	391.6	393.0	393.0	391.6	394.4	395.8	397.3
77.5°	348.8	353.1	357.4	357.4	358.8	357.4	360.2	360.2	361.7	363.1	364.5
80°	316.1	321.8	324.6	326.1	328.9	330.3	330.3	330.3	331.8	333.2	333.2
82.5°	290.5	294.7	299.0	303.3	303.3	304.7	304.7	304.7	306.1	306.1	307.6
85°	264.8	270.5	274.8	277.7	279.1	280.5	280.5	281.9	281.9	281.9	283.3
87.5°	242.1	249.2	252.0	254.9	256.3	259.1	259.1	259.1	260.6	260.6	260.6
90°	226.4	233.5	236.4	239.2	240.6	242.1	242.1	243.5	243.5	244.9	244.9
92.5°	207.9	215.0	220.7	220.7	222.1	225.0	223.5	223.5	225.0	226.4	226.4
95°	193.6	199.3	203.6	205.0	206.5	206.5	206.5	207.9	206.5	207.9	207.9
97.5°	176.6	182.3	186.5	189.4	190.8	190.8	190.8	192.2	190.8	192.2	192.2
100°	162.3	168.0	172.3	173.7	176.6	176.6	176.6	176.6	176.6	176.6	178.0
102.5°	150.9	156.6	159.5	160.9	162.3	163.7	163.7	163.7	163.7	165.2	165.2
105°	139.5	145.2	148.1	149.5	150.9	152.4	152.4	152.4	153.8	153.8	152.4
107.5°	129.6	133.8	136.7	139.5	141.0	141.0	142.4	142.4	142.4	142.4	142.4
110°	119.6	123.9	128.1	131.0	131.0	132.4	132.4	133.8	133.8	132.4	133.8





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LN-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	109.6	115.3	118.2	121.0	122.5	123.9	123.9	123.9	123.9	123.9	123.9
115°	101.1	106.8	109.6	112.5	113.9	115.3	115.3	115.3	115.3	115.3	115.3
117.5°	94.0	99.7	102.5	103.9	105.4	106.8	108.2	108.2	108.2	108.2	106.8
120°	86.9	91.1	94.0	96.8	98.2	99.7	99.7	99.7	99.7	99.7	99.7
122.5°	79.7	84.0	86.9	89.7	91.1	92.6	92.6	92.6	92.6	92.6	92.6
125°	72.6	76.9	79.7	82.6	84.0	85.4	85.4	85.4	85.4	85.4	85.4
127.5°	65.5	69.8	74.0	75.5	76.9	78.3	78.3	78.3	79.7	78.3	78.3
130°	58.4	62.6	66.9	68.3	69.8	71.2	72.6	72.6	72.6	72.6	71.2
132.5°	52.7	57.0	59.8	61.2	64.1	64.1	65.5	65.5	65.5	65.5	64.1
135°	48.4	51.3	54.1	55.5	58.4	58.4	58.4	59.8	59.8	58.4	57.0
137.5°	42.7	45.6	48.4	49.8	51.3	52.7	52.7	54.1	52.7	52.7	52.7
140°	39.9	41.3	44.1	45.6	47.0	47.0	47.0	48.4	48.4	47.0	47.0
142.5°	34.2	37.0	39.9	41.3	42.7	42.7	42.7	42.7	42.7	42.7	42.7
145°	28.5	32.7	34.2	37.0	37.0	38.4	38.4	38.4	38.4	38.4	37.0
147.5°	24.2	27.1	31.3	32.7	32.7	34.2	34.2	34.2	34.2	34.2	32.7
150°	18.5	21.4	25.6	28.5	28.5	29.9	29.9	29.9	29.9	28.5	28.5
152.5°	15.7	18.5	19.9	22.8	24.2	24.2	24.2	25.6	24.2	24.2	24.2
155°	14.2	15.7	17.1	18.5	19.9	21.4	21.4	21.4	21.4	19.9	19.9
157.5°	11.4	12.8	14.2	15.7	17.1	18.5	18.5	18.5	18.5	18.5	17.1
160°	8.5	10.0	11.4	11.4	12.8	14.2	15.7	14.2	14.2	14.2	14.2
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-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6
2.5°	2582.9	2581.5	2585.7	2578.6	2557.2	2562.9	2560.1	2572.9	2575.8	2578.6	2591.4
5°	2582.9	2581.5	2584.3	2578.6	2555.8	2560.1	2557.2	2570.1	2572.9	2574.3	2587.2
7.5°	2577.2	2575.8	2580.0	2572.9	2548.7	2554.4	2550.1	2562.9	2564.4	2565.8	2577.2
10°	2565.8	2564.4	2567.2	2561.5	2537.3	2543.0	2537.3	2550.1	2550.1	2553.0	2561.5
12.5°	2548.7	2545.9	2551.6	2544.4	2517.4	2524.5	2521.7	2530.2	2531.6	2533.0	2541.6
15°	2524.5	2521.7	2525.9	2521.7	2497.4	2498.9	2494.6	2507.4	2508.8	2506.0	2514.5
17.5°	2488.9	2486.1	2494.6	2491.8	2467.5	2473.2	2471.8	2474.7	2478.9	2471.8	2483.2
20°	2444.8	2447.6	2450.5	2451.9	2433.4	2433.4	2431.9	2437.6	2441.9	2436.2	2444.8
22.5°	2379.3	2386.4	2394.9	2397.8	2385.0	2383.5	2392.1	2389.2	2393.5	2390.7	2396.4
25°	2296.7	2310.9	2319.5	2328.0	2320.9	2323.7	2336.6	2339.4	2339.4	2338.0	2343.7
27.5°	2194.2	2212.7	2228.3	2246.8	2239.7	2245.4	2266.8	2269.6	2275.3	2269.6	2281.0
30°	2071.7	2088.8	2118.7	2145.8	2148.6	2157.1	2187.0	2189.9	2205.6	2199.9	2204.1
32.5°	1949.3	1957.8	1992.0	2019.0	2036.1	2057.5	2090.2	2095.9	2117.3	2121.5	2121.5
35°	1795.5	1819.7	1851.0	1889.5	1910.8	1933.6	1977.7	1986.3	2017.6	2027.6	2039.0
37.5°	1665.9	1688.7	1708.6	1748.5	1786.9	1812.6	1848.2	1869.5	1902.3	1920.8	1935.0
40°	1527.8	1546.3	1567.7	1607.5	1640.3	1678.7	1714.3	1740.0	1781.2	1802.6	1821.1
42.5°	1396.8	1411.0	1433.8	1462.3	1496.5	1539.2	1573.4	1603.3	1647.4	1677.3	1698.7
45°	1280.0	1288.6	1308.5	1329.9	1359.8	1403.9	1436.7	1475.1	1510.7	1542.0	1567.7
47.5°	1170.4	1181.8	1191.8	1206.0	1233.1	1260.1	1298.6	1335.6	1371.2	1405.3	1431.0
50°	1069.3	1069.3	1085.0	1094.9	1113.5	1137.7	1167.6	1193.2	1237.3	1261.5	1294.3
52.5°	971.1	976.8	985.3	991.0	1005.2	1020.9	1045.1	1066.5	1103.5	1126.3	1157.6
55°	884.2	889.9	894.2	897.0	905.6	924.1	932.6	949.7	975.3	993.9	1020.9
57.5°	801.6	804.5	808.8	810.2	811.6	823.0	830.1	834.4	860.0	878.5	901.3
60°	726.2	726.2	730.4	729.0	727.6	733.3	731.9	736.1	751.8	763.2	773.2
62.5°	655.0	655.0	656.4	653.6	652.1	652.1	646.4	650.7	655.0	656.4	663.5
65°	589.5	596.6	590.9	592.3	583.8	580.9	578.1	569.5	568.1	562.4	565.3
67.5°	531.1	536.8	531.1	531.1	524.0	518.3	511.2	496.9	492.7	481.3	478.4
70°	484.1	479.8	482.7	478.4	469.9	462.8	452.8	441.4	427.2	412.9	403.0
72.5°	438.5	438.5	435.7	431.4	427.2	412.9	401.5	388.7	371.6	353.1	338.9
75°	394.4	395.8	395.8	391.6	384.4	371.6	358.8	340.3	321.8	300.4	281.9
77.5°	363.1	363.1	363.1	356.0	348.8	337.5	321.8	301.9	281.9	256.3	234.9
80°	333.2	331.8	331.8	323.2	316.1	303.3	287.6	267.7	246.3	219.3	195.1
82.5°	309.0	307.6	304.7	297.6	287.6	274.8	259.1	237.8	215.0	190.8	160.9
85°	283.3	281.9	279.1	272.0	262.0	250.6	233.5	212.2	189.4	162.3	133.8
87.5°	260.6	259.1	254.9	250.6	239.2	226.4	209.3	189.4	165.2	139.5	111.1
90°	244.9	242.1	239.2	233.5	223.5	209.3	192.2	170.9	146.7	121.0	92.6
92.5°	226.4	225.0	220.7	215.0	206.5	192.2	175.1	155.2	131.0	106.8	79.7
95°	207.9	206.5	203.6	197.9	189.4	176.6	160.9	141.0	118.2	94.0	69.8
97.5°	190.8	190.8	186.5	182.3	172.3	162.3	146.7	128.1	106.8	85.4	62.6
100°	176.6	176.6	172.3	166.6	159.5	149.5	133.8	116.8	96.8	76.9	54.1
102.5°	163.7	162.3	159.5	153.8	146.7	136.7	122.5	106.8	88.3	68.3	48.4
105°	152.4	150.9	148.1	142.4	136.7	125.3	113.9	98.2	79.7	61.2	42.7
107.5°	141.0	139.5	138.1	132.4	125.3	115.3	103.9	88.3	72.6	55.5	38.4
110°	131.0	129.6	126.7	121.0	113.9	105.4	94.0	81.2	65.5	49.8	34.2



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LN-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	122.5	121.0	118.2	112.5	106.8	96.8	86.9	72.6	59.8	45.6	29.9
115°	113.9	112.5	109.6	103.9	96.8	88.3	78.3	66.9	52.7	39.9	27.1
117.5°	105.4	103.9	101.1	96.8	89.7	81.2	71.2	59.8	47.0	37.0	24.2
120°	98.2	95.4	92.6	88.3	81.2	74.0	64.1	54.1	42.7	32.7	21.4
122.5°	91.1	88.3	85.4	81.2	74.0	66.9	57.0	48.4	39.9	29.9	19.9
125°	82.6	81.2	78.3	74.0	66.9	59.8	52.7	44.1	35.6	27.1	17.1
127.5°	75.5	74.0	71.2	65.5	59.8	54.1	47.0	39.9	31.3	22.8	15.7
130°	69.8	66.9	64.1	59.8	55.5	49.8	42.7	35.6	28.5	19.9	14.2
132.5°	62.6	59.8	57.0	54.1	49.8	44.1	38.4	31.3	25.6	18.5	12.8
135°	57.0	54.1	51.3	48.4	44.1	39.9	34.2	28.5	22.8	17.1	11.4
137.5°	49.8	48.4	47.0	44.1	39.9	35.6	31.3	24.2	19.9	15.7	10.0
140°	45.6	44.1	42.7	38.4	35.6	31.3	27.1	21.4	17.1	12.8	8.5
142.5°	41.3	39.9	37.0	34.2	31.3	28.5	22.8	19.9	15.7	11.4	8.5
145°	35.6	34.2	32.7	29.9	27.1	22.8	19.9	17.1	14.2	10.0	7.1
147.5°	32.7	31.3	28.5	25.6	22.8	19.9	18.5	15.7	11.4	8.5	5.7
150°	27.1	25.6	24.2	21.4	19.9	18.5	15.7	12.8	10.0	7.1	5.7
152.5°	22.8	21.4	19.9	19.9	17.1	15.7	12.8	11.4	8.5	7.1	4.3
155°	19.9	19.9	18.5	17.1	14.2	12.8	11.4	8.5	7.1	5.7	4.3
157.5°	17.1	15.7	14.2	14.2	12.8	11.4	8.5	7.1	5.7	5.7	4.3
160°	14.2	12.8	12.8	11.4	10.0	8.5	7.1	7.1	5.7	4.3	4.3
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



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LN-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6
2.5°	2592.8	2577.2	2591.4	2609.9	2609.9	2607.1	2604.2	2609.9	2624.2	2618.5	2601.4
5°	2588.6	2572.9	2585.7	2604.2	2604.2	2600.0	2597.1	2601.4	2617.1	2609.9	2594.3
7.5°	2580.0	2565.8	2574.3	2591.4	2591.4	2587.2	2584.3	2590.0	2602.8	2595.7	2578.6
10°	2564.4	2548.7	2558.7	2574.3	2572.9	2570.1	2565.8	2572.9	2584.3	2574.3	2554.4
12.5°	2544.4	2528.8	2537.3	2551.6	2550.1	2544.4	2541.6	2545.9	2555.8	2550.1	2528.8
15°	2517.4	2501.7	2508.8	2523.1	2518.8	2514.5	2508.8	2510.3	2523.1	2513.1	2490.3
17.5°	2484.6	2467.5	2473.2	2486.1	2481.8	2477.5	2470.4	2471.8	2486.1	2471.8	2447.6
20°	2444.8	2426.3	2430.5	2446.2	2439.1	2431.9	2424.8	2424.8	2439.1	2423.4	2396.4
22.5°	2402.0	2383.5	2386.4	2397.8	2392.1	2379.3	2372.1	2376.4	2383.5	2363.6	2335.1
25°	2349.4	2325.2	2329.4	2340.8	2336.6	2319.5	2312.3	2315.2	2312.3	2296.7	2266.8
27.5°	2288.1	2262.5	2265.4	2272.5	2266.8	2251.1	2242.6	2244.0	2238.3	2218.4	2184.2
30°	2211.3	2198.4	2197.0	2201.3	2192.7	2177.1	2167.1	2164.3	2162.8	2134.4	2093.1
32.5°	2132.9	2121.5	2114.4	2120.1	2110.2	2094.5	2077.4	2077.4	2063.2	2036.1	2000.5
35°	2053.2	2034.7	2027.6	2031.8	2020.5	2000.5	1986.3	1979.2	1957.8	1923.6	1885.2
37.5°	1950.7	1937.9	1929.3	1933.6	1920.8	1906.5	1879.5	1872.4	1849.6	1802.6	1754.2
40°	1839.6	1829.7	1821.1	1825.4	1811.1	1789.8	1765.6	1754.2	1728.6	1675.9	1637.4
42.5°	1720.0	1715.7	1705.8	1721.4	1693.0	1671.6	1647.4	1628.9	1603.3	1546.3	1502.2
45°	1593.3	1603.3	1580.5	1584.8	1566.2	1547.7	1522.1	1495.1	1469.4	1415.3	1365.5
47.5°	1459.5	1466.6	1450.9	1453.8	1433.8	1416.7	1394.0	1359.8	1331.3	1284.3	1240.2
50°	1321.3	1318.5	1318.5	1315.6	1300.0	1278.6	1255.8	1224.5	1196.0	1153.3	1116.3
52.5°	1174.7	1180.4	1183.2	1190.3	1170.4	1157.6	1122.0	1094.9	1073.6	1029.4	998.1
55°	1033.7	1053.7	1048.0	1050.8	1028.0	1018.1	989.6	968.2	936.9	911.3	891.3
57.5°	905.6	909.8	912.7	917.0	907.0	887.1	864.3	847.2	823.0	801.6	787.4
60°	781.7	781.7	783.1	790.2	780.3	763.2	746.1	733.3	716.2	703.4	694.8
62.5°	664.9	674.9	676.3	670.6	657.8	649.3	637.9	630.8	619.4	615.1	612.3
65°	556.7	556.7	556.7	559.6	552.5	546.8	539.6	538.2	542.5	536.8	539.6
67.5°	465.6	461.3	458.5	459.9	457.1	454.2	452.8	457.1	465.6	465.6	472.7
70°	387.3	378.7	373.1	373.1	373.1	374.5	378.7	387.3	401.5	407.2	417.2
72.5°	323.2	304.7	296.2	296.2	297.6	303.3	316.1	331.8	344.6	356.0	368.8
75°	262.0	243.5	230.7	229.2	232.1	240.6	259.1	273.4	294.7	310.4	326.1
77.5°	212.2	189.4	173.7	172.3	176.6	189.4	212.2	230.7	254.9	272.0	289.0
80°	169.4	143.8	131.0	122.5	129.6	145.2	170.9	193.6	216.4	239.2	260.6
82.5°	135.3	111.1	91.1	82.6	91.1	112.5	136.7	163.7	186.5	210.7	232.1
85°	106.8	81.2	58.4	49.8	59.8	82.6	109.6	136.7	162.3	186.5	207.9
87.5°	84.0	58.4	35.6	24.2	37.0	61.2	86.9	113.9	141.0	165.2	186.5
90°	65.5	41.3	19.9	2.8	21.4	44.1	69.8	95.4	122.5	146.7	168.0
92.5°	55.5	31.3	11.4	0.0	12.8	32.7	57.0	82.6	106.8	131.0	152.4
95°	47.0	25.6	8.5	0.0	8.5	25.6	47.0	69.8	94.0	118.2	139.5
97.5°	39.9	19.9	5.7	0.0	5.7	19.9	38.4	61.2	82.6	105.4	125.3
100°	34.2	17.1	4.3	0.0	4.3	15.7	32.7	52.7	74.0	95.4	113.9
102.5°	29.9	14.2	2.8	0.0	2.8	12.8	27.1	45.6	64.1	84.0	102.5
105°	25.6	11.4	2.8	0.0	1.4	10.0	22.8	39.9	57.0	75.5	92.6
107.5°	22.8	10.0	2.8	0.0	1.4	8.5	19.9	34.2	51.3	66.9	82.6
110°	19.9	8.5	2.8	0.0	1.4	5.7	17.1	29.9	44.1	59.8	75.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LN-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	17.1	7.1	1.4	0.0	0.0	4.3	14.2	25.6	38.4	54.1	66.9
115°	15.7	7.1	1.4	0.0	0.0	2.8	11.4	22.8	34.2	48.4	59.8
117.5°	14.2	5.7	1.4	0.0	1.4	2.8	10.0	19.9	29.9	41.3	54.1
120°	12.8	5.7	1.4	0.0	1.4	1.4	7.1	17.1	25.6	37.0	47.0
122.5°	11.4	5.7	1.4	0.0	1.4	1.4	5.7	14.2	22.8	32.7	41.3
125°	10.0	4.3	2.8	1.4	1.4	1.4	4.3	11.4	19.9	27.1	37.0
127.5°	10.0	4.3	2.8	1.4	1.4	1.4	2.8	10.0	15.7	24.2	32.7
130°	8.5	4.3	2.8	1.4	1.4	1.4	1.4	7.1	14.2	19.9	27.1
132.5°	7.1	4.3	2.8	1.4	1.4	1.4	1.4	4.3	10.0	17.1	22.8
135°	7.1	4.3	2.8	1.4	1.4	1.4	1.4	2.8	7.1	12.8	18.5
137.5°	5.7	2.8	2.8	1.4	1.4	1.4	1.4	1.4	5.7	10.0	14.2
140°	5.7	2.8	2.8	1.4	1.4	1.4	1.4	1.4	4.3	7.1	11.4
142.5°	4.3	2.8	2.8	1.4	1.4	1.4	1.4	1.4	2.8	5.7	8.5
145°	4.3	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	2.8	5.7
147.5°	4.3	4.3	2.8	1.4	1.4	1.4	1.4	1.4	1.4	2.8	4.3
150°	4.3	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
152.5°	4.3	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
155°	4.3	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8
157.5°	4.3	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
160°	4.3	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-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6
2.5°	2595.7	2568.6	2582.9	2578.6	2584.3	2595.7	2594.3	2591.4	2591.4	2587.2	2581.5
5°	2587.2	2561.5	2574.3	2567.2	2574.3	2584.3	2582.9	2578.6	2581.5	2574.3	2567.2
7.5°	2570.1	2547.3	2558.7	2553.0	2558.7	2568.6	2564.4	2562.9	2565.8	2554.4	2550.1
10°	2550.1	2524.5	2537.3	2530.2	2537.3	2544.4	2541.6	2535.9	2541.6	2530.2	2525.9
12.5°	2518.8	2497.4	2506.0	2503.1	2507.4	2514.5	2508.8	2504.6	2507.4	2497.4	2488.9
15°	2484.6	2463.3	2470.4	2466.1	2469.0	2477.5	2467.5	2466.1	2463.3	2453.3	2450.5
17.5°	2440.5	2420.6	2427.7	2420.6	2424.8	2422.0	2420.6	2413.4	2413.4	2402.0	2393.5
20°	2386.4	2369.3	2365.0	2359.3	2365.0	2359.3	2350.8	2345.1	2343.7	2332.3	2325.2
22.5°	2323.7	2303.8	2306.7	2291.0	2292.4	2283.9	2269.6	2263.9	2258.2	2245.4	2235.5
25°	2248.3	2228.3	2214.1	2204.1	2191.3	2189.9	2171.4	2157.1	2155.7	2140.1	2138.6
27.5°	2162.8	2140.1	2128.7	2104.5	2088.8	2076.0	2060.3	2046.1	2039.0	2021.9	2010.5
30°	2064.6	2039.0	2010.5	1993.4	1969.2	1959.2	1932.2	1915.1	1909.4	1890.9	1882.3
32.5°	1953.5	1926.5	1903.7	1870.9	1843.9	1829.7	1802.6	1785.5	1778.4	1758.5	1747.1
35°	1832.5	1802.6	1775.6	1744.2	1722.9	1698.7	1665.9	1648.8	1633.2	1626.0	1617.5
37.5°	1705.8	1673.0	1641.7	1610.4	1591.9	1563.4	1534.9	1523.5	1505.0	1497.9	1489.4
40°	1574.8	1542.0	1512.1	1482.2	1460.9	1435.2	1409.6	1405.3	1385.4	1378.3	1372.6
42.5°	1445.2	1411.0	1376.9	1355.5	1339.9	1314.2	1297.1	1292.9	1275.8	1271.5	1271.5
45°	1328.5	1285.7	1257.3	1238.8	1225.9	1204.6	1190.3	1187.5	1173.3	1170.4	1170.4
47.5°	1203.2	1163.3	1141.9	1130.5	1119.2	1103.5	1094.9	1094.9	1080.7	1077.9	1076.4
50°	1086.4	1049.4	1033.7	1022.3	1020.9	1009.5	1002.4	999.5	999.5	989.6	991.0
52.5°	975.3	956.8	944.0	936.9	928.4	921.2	915.5	915.5	911.3	904.1	907.0
55°	872.8	851.5	852.9	847.2	842.9	838.7	840.1	831.5	830.1	824.4	828.7
57.5°	770.3	770.3	767.5	763.2	756.1	758.9	758.9	758.9	751.8	747.5	751.8
60°	683.5	687.7	680.6	684.9	682.0	683.5	680.6	680.6	676.3	674.9	676.3
62.5°	606.6	613.7	610.8	616.5	613.7	615.1	618.0	612.3	609.4	606.6	609.4
65°	538.2	546.8	545.3	549.6	551.0	552.5	553.9	551.0	548.2	545.3	543.9
67.5°	478.4	487.0	492.7	494.1	495.5	499.8	498.4	495.5	492.7	488.4	487.0
70°	424.3	435.7	442.8	445.7	451.4	448.5	448.5	447.1	444.2	440.0	438.5
72.5°	378.7	391.6	398.7	401.5	407.2	407.2	405.8	404.4	401.5	397.3	395.8
75°	338.9	350.3	360.2	365.9	370.2	370.2	368.8	367.4	364.5	361.7	360.2
77.5°	307.6	317.5	326.1	333.2	336.0	337.5	336.0	333.2	333.2	331.8	330.3
80°	276.2	287.6	296.2	303.3	307.6	307.6	306.1	307.6	304.7	303.3	301.9
82.5°	249.2	262.0	272.0	279.1	281.9	283.3	281.9	283.3	280.5	280.5	280.5
85°	225.0	237.8	249.2	254.9	259.1	260.6	260.6	260.6	259.1	259.1	259.1
87.5°	205.0	217.9	229.2	234.9	239.2	240.6	240.6	242.1	239.2	239.2	239.2
90°	186.5	199.3	210.7	216.4	220.7	223.5	223.5	225.0	223.5	222.1	222.1
92.5°	169.4	183.7	195.1	200.8	205.0	209.3	209.3	210.7	207.9	207.9	207.9
95°	155.2	169.4	179.4	186.5	190.8	193.6	195.1	195.1	193.6	193.6	193.6
97.5°	142.4	155.2	165.2	172.3	176.6	178.0	179.4	180.8	179.4	179.4	179.4
100°	129.6	142.4	152.4	158.0	163.7	165.2	166.6	168.0	168.0	166.6	166.6
102.5°	118.2	131.0	139.5	146.7	150.9	153.8	155.2	155.2	155.2	155.2	155.2
105°	106.8	119.6	128.1	135.3	139.5	142.4	143.8	145.2	145.2	143.8	143.8
107.5°	96.8	108.2	118.2	123.9	129.6	132.4	133.8	133.8	135.3	133.8	133.8
110°	86.9	99.7	108.2	113.9	119.6	122.5	123.9	125.3	125.3	125.3	125.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LN-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	79.7	89.7	98.2	103.9	109.6	112.5	113.9	115.3	116.8	115.3	115.3
115°	71.2	81.2	89.7	95.4	99.7	102.5	105.4	106.8	106.8	108.2	106.8
117.5°	64.1	72.6	81.2	86.9	91.1	95.4	96.8	98.2	99.7	98.2	98.2
120°	57.0	65.5	72.6	78.3	82.6	86.9	88.3	89.7	91.1	89.7	89.7
122.5°	51.3	58.4	65.5	71.2	75.5	78.3	81.2	81.2	82.6	82.6	82.6
125°	45.6	52.7	58.4	64.1	68.3	71.2	72.6	74.0	74.0	75.5	75.5
127.5°	39.9	45.6	52.7	57.0	61.2	64.1	65.5	66.9	66.9	68.3	68.3
130°	34.2	39.9	45.6	49.8	54.1	57.0	58.4	59.8	61.2	61.2	61.2
132.5°	29.9	35.6	39.9	44.1	47.0	49.8	52.7	54.1	54.1	54.1	54.1
135°	24.2	29.9	34.2	38.4	41.3	44.1	45.6	48.4	48.4	48.4	48.4
137.5°	19.9	25.6	29.9	32.7	35.6	38.4	39.9	41.3	42.7	42.7	42.7
140°	15.7	19.9	24.2	28.5	31.3	32.7	35.6	35.6	37.0	37.0	37.0
142.5°	11.4	15.7	18.5	22.8	25.6	28.5	29.9	31.3	31.3	31.3	31.3
145°	8.5	11.4	14.2	17.1	21.4	22.8	24.2	25.6	27.1	27.1	27.1
147.5°	5.7	8.5	10.0	12.8	15.7	18.5	19.9	21.4	22.8	22.8	22.8
150°	4.3	5.7	8.5	10.0	11.4	14.2	17.1	17.1	18.5	18.5	17.1
152.5°	2.8	4.3	5.7	7.1	8.5	10.0	12.8	12.8	14.2	14.2	14.2
155°	2.8	2.8	2.8	4.3	5.7	7.1	8.5	10.0	10.0	10.0	10.0
157.5°	2.8	2.8	2.8	2.8	2.8	4.3	5.7	7.1	7.1	7.1	7.1
160°	2.8	2.8	1.4	1.4	2.8	2.8	2.8	2.8	4.3	4.3	4.3
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



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LN-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6
2.5°	2585.7	2588.6	2588.6	2585.7	2584.3	2590.0	2582.9	2555.8	2564.4	2567.2	2575.8
5°	2572.9	2575.8	2575.8	2575.8	2572.9	2578.6	2571.5	2544.4	2554.4	2558.7	2564.4
7.5°	2554.4	2555.8	2558.7	2557.2	2554.4	2562.9	2555.8	2528.8	2535.9	2543.0	2550.1
10°	2530.2	2530.2	2531.6	2534.5	2531.6	2538.7	2531.6	2507.4	2514.5	2518.8	2527.3
12.5°	2497.4	2500.3	2501.7	2500.3	2498.9	2504.6	2501.7	2478.9	2481.8	2490.3	2498.9
15°	2453.3	2453.3	2460.4	2457.6	2457.6	2463.3	2466.1	2440.5	2444.8	2457.6	2466.1
17.5°	2399.2	2400.6	2406.3	2409.2	2407.7	2417.7	2419.1	2399.2	2397.8	2413.4	2422.0
20°	2329.4	2332.3	2339.4	2345.1	2345.1	2356.5	2360.8	2347.9	2349.4	2366.5	2369.3
22.5°	2244.0	2244.0	2256.8	2265.4	2272.5	2279.6	2292.4	2281.0	2281.0	2303.8	2316.6
25°	2138.6	2148.6	2152.9	2170.0	2179.9	2199.9	2211.3	2212.7	2214.1	2235.5	2244.0
27.5°	2021.9	2024.7	2037.5	2057.5	2068.9	2087.4	2108.7	2113.0	2120.1	2148.6	2161.4
30°	1889.5	1898.0	1903.7	1932.2	1947.8	1972.0	1999.1	2009.1	2014.8	2053.2	2068.9
32.5°	1754.2	1757.0	1781.2	1796.9	1815.4	1841.0	1872.4	1890.9	1902.3	1942.1	1964.9
35°	1618.9	1624.6	1644.6	1664.5	1683.0	1708.6	1741.4	1767.0	1786.9	1822.5	1852.4
37.5°	1495.1	1509.3	1513.6	1533.5	1547.7	1573.4	1596.1	1633.2	1653.1	1690.1	1728.6
40°	1384.0	1388.3	1391.1	1411.0	1421.0	1445.2	1478.0	1502.2	1529.2	1556.3	1601.8
42.5°	1274.4	1277.2	1281.5	1292.9	1304.3	1321.3	1345.5	1369.8	1398.2	1438.1	1468.0
45°	1173.3	1176.1	1179.0	1186.1	1196.0	1211.7	1227.4	1244.5	1272.9	1307.1	1338.4
47.5°	1079.3	1085.0	1085.0	1086.4	1093.5	1106.3	1117.7	1139.1	1154.7	1173.3	1208.9
50°	989.6	993.9	995.3	995.3	999.5	1008.1	1010.9	1025.2	1039.4	1056.5	1082.1
52.5°	905.6	905.6	904.1	909.8	909.8	915.5	917.0	925.5	935.5	954.0	965.4
55°	825.8	825.8	830.1	827.3	827.3	830.1	828.7	830.1	838.7	850.0	860.0
57.5°	748.9	747.5	751.8	748.9	747.5	750.4	753.2	747.5	748.9	760.3	760.3
60°	672.1	673.5	677.8	674.9	674.9	674.9	672.1	669.2	666.4	673.5	676.3
62.5°	610.8	606.6	610.8	606.6	609.4	608.0	605.1	599.4	600.9	598.0	595.2
65°	546.8	546.8	548.2	543.9	546.8	546.8	542.5	541.1	532.5	529.7	522.6
67.5°	491.2	491.2	492.7	489.8	489.8	491.2	487.0	482.7	474.1	469.9	459.9
70°	442.8	442.8	442.8	441.4	441.4	441.4	438.5	432.9	424.3	417.2	404.4
72.5°	398.7	400.1	398.7	398.7	403.0	398.7	394.4	388.7	381.6	367.4	356.0
75°	363.1	364.5	363.1	363.1	363.1	361.7	360.2	351.7	343.1	331.8	314.7
77.5°	331.8	331.8	333.2	331.8	331.8	330.3	326.1	318.9	309.0	299.0	279.1
80°	301.9	303.3	304.7	306.1	303.3	301.9	297.6	291.9	279.1	267.7	247.8
82.5°	280.5	279.1	280.5	281.9	279.1	277.7	273.4	266.3	256.3	240.6	220.7
85°	259.1	257.7	257.7	259.1	257.7	254.9	250.6	243.5	233.5	217.9	197.9
87.5°	237.8	239.2	240.6	239.2	237.8	234.9	230.7	223.5	212.2	199.3	178.0
90°	222.1	222.1	222.1	222.1	220.7	217.9	213.6	205.0	195.1	179.4	160.9
92.5°	207.9	207.9	207.9	207.9	206.5	202.2	197.9	190.8	179.4	163.7	146.7
95°	193.6	195.1	193.6	193.6	190.8	189.4	182.3	175.1	165.2	149.5	131.0
97.5°	178.0	179.4	178.0	178.0	176.6	173.7	169.4	160.9	150.9	136.7	119.6
100°	166.6	166.6	165.2	165.2	163.7	160.9	155.2	148.1	138.1	123.9	106.8
102.5°	153.8	155.2	153.8	153.8	150.9	148.1	143.8	136.7	126.7	112.5	96.8
105°	143.8	143.8	142.4	142.4	139.5	136.7	132.4	123.9	115.3	102.5	86.9
107.5°	133.8	133.8	132.4	132.4	129.6	126.7	121.0	113.9	105.4	92.6	78.3
110°	123.9	123.9	123.9	122.5	119.6	115.3	111.1	103.9	95.4	84.0	69.8





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LN-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	116.8	115.3	113.9	112.5	109.6	106.8	101.1	94.0	85.4	75.5	62.6
115°	106.8	106.8	105.4	103.9	101.1	96.8	92.6	86.9	78.3	66.9	55.5
117.5°	98.2	98.2	96.8	95.4	92.6	88.3	84.0	78.3	69.8	59.8	49.8
120°	89.7	89.7	88.3	86.9	84.0	79.7	76.9	69.8	62.6	52.7	44.1
122.5°	82.6	81.2	81.2	78.3	76.9	72.6	68.3	62.6	55.5	47.0	38.4
125°	74.0	74.0	72.6	71.2	69.8	65.5	61.2	55.5	48.4	41.3	34.2
127.5°	66.9	66.9	65.5	64.1	62.6	58.4	54.1	49.8	42.7	35.6	28.5
130°	59.8	59.8	58.4	57.0	55.5	51.3	48.4	42.7	37.0	31.3	24.2
132.5°	54.1	54.1	52.7	51.3	48.4	45.6	42.7	37.0	32.7	27.1	21.4
135°	48.4	47.0	47.0	45.6	42.7	39.9	37.0	32.7	27.1	22.8	17.1
137.5°	42.7	41.3	39.9	38.4	37.0	34.2	31.3	28.5	24.2	18.5	14.2
140°	37.0	35.6	35.6	34.2	31.3	29.9	27.1	22.8	19.9	15.7	11.4
142.5°	31.3	31.3	29.9	28.5	27.1	25.6	22.8	19.9	15.7	12.8	8.5
145°	27.1	25.6	25.6	24.2	22.8	19.9	18.5	15.7	12.8	10.0	7.1
147.5°	21.4	21.4	21.4	19.9	18.5	17.1	15.7	12.8	10.0	7.1	4.3
150°	17.1	17.1	17.1	15.7	14.2	12.8	11.4	10.0	7.1	4.3	2.8
152.5°	14.2	14.2	12.8	12.8	11.4	10.0	8.5	7.1	4.3	2.8	2.8
155°	10.0	10.0	10.0	8.5	8.5	7.1	5.7	4.3	2.8	2.8	2.8
157.5°	7.1	7.1	7.1	5.7	5.7	4.3	4.3	2.8	2.8	2.8	2.8
160°	4.3	4.3	4.3	4.3	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-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6	2588.6
2.5°	2571.5	2570.1	2581.5	2581.5	2568.6	2588.6	2609.9
5°	2562.9	2561.5	2572.9	2572.9	2561.5	2581.5	2604.2
7.5°	2545.9	2547.3	2558.7	2561.5	2547.3	2565.8	2590.0
10°	2527.3	2525.9	2538.7	2541.6	2530.2	2547.3	2570.1
12.5°	2497.4	2497.4	2510.3	2514.5	2503.1	2523.1	2544.4
15°	2466.1	2466.1	2474.7	2481.8	2471.8	2490.3	2511.7
17.5°	2426.3	2424.8	2433.4	2441.9	2431.9	2451.9	2474.7
20°	2375.0	2375.0	2385.0	2394.9	2387.8	2406.3	2431.9
22.5°	2320.9	2315.2	2332.3	2339.4	2335.1	2353.6	2379.3
25°	2252.5	2251.1	2268.2	2278.2	2272.5	2292.4	2315.2
27.5°	2178.5	2177.1	2194.2	2207.0	2204.1	2222.6	2248.3
30°	2088.8	2095.9	2111.6	2132.9	2125.8	2145.8	2172.8
32.5°	1994.8	2001.9	2020.5	2043.2	2044.7	2060.3	2087.4
35°	1882.3	1900.9	1913.7	1943.6	1949.3	1964.9	1993.4
37.5°	1764.2	1785.5	1812.6	1835.4	1846.7	1859.6	1892.3
40°	1631.7	1663.1	1693.0	1720.0	1734.3	1747.1	1778.4
42.5°	1512.1	1536.3	1564.8	1591.9	1617.5	1628.9	1661.6
45°	1376.9	1405.3	1431.0	1463.7	1489.4	1502.2	1534.9
47.5°	1244.5	1272.9	1307.1	1329.9	1356.9	1369.8	1401.1
50°	1117.7	1143.4	1171.8	1198.9	1221.7	1233.1	1260.1
52.5°	992.4	1019.5	1046.5	1063.6	1087.8	1096.4	1119.2
55°	881.4	899.9	924.1	934.1	958.3	964.0	979.6
57.5°	774.6	787.4	795.9	813.0	830.1	842.9	861.4
60°	677.8	683.5	689.1	699.1	713.4	717.6	724.7
62.5°	590.9	589.5	600.9	603.7	605.1	619.4	612.3
65°	514.0	515.4	505.5	501.2	506.9	511.2	508.3
67.5°	449.9	441.4	432.9	422.9	414.3	418.6	414.3
70°	387.3	380.2	365.9	351.7	346.0	337.5	333.2
72.5°	337.5	320.4	306.1	287.6	277.7	267.7	260.6
75°	299.0	274.8	254.9	234.9	220.7	206.5	203.6
77.5°	259.1	236.4	213.6	192.2	170.9	155.2	149.5
80°	227.8	206.5	179.4	153.8	131.0	111.1	103.9
82.5°	199.3	176.6	149.5	122.5	96.8	75.5	66.9
85°	175.1	150.9	123.9	96.8	71.2	48.4	37.0
87.5°	156.6	129.6	102.5	76.9	49.8	27.1	14.2
90°	139.5	113.9	88.3	61.2	35.6	14.2	0.0
92.5°	123.9	99.7	74.0	49.8	27.1	8.5	1.4
95°	109.6	88.3	62.6	39.9	19.9	5.7	1.4
97.5°	98.2	76.9	54.1	32.7	15.7	4.3	1.4
100°	88.3	66.9	47.0	27.1	12.8	2.8	1.4
102.5°	78.3	59.8	39.9	22.8	10.0	1.4	1.4
105°	69.8	52.7	34.2	19.9	8.5	1.4	1.4
107.5°	62.6	47.0	29.9	17.1	5.7	1.4	1.4
110°	55.5	39.9	25.6	14.2	4.3	1.4	1.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LN-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	49.8	35.6	22.8	11.4	2.8	1.4	1.4
115°	44.1	31.3	19.9	10.0	2.8	1.4	1.4
117.5°	38.4	27.1	17.1	7.1	1.4	1.4	1.4
120°	34.2	24.2	14.2	5.7	1.4	1.4	1.4
122.5°	29.9	19.9	11.4	4.3	1.4	1.4	1.4
125°	25.6	17.1	10.0	2.8	1.4	1.4	1.4
127.5°	21.4	14.2	7.1	2.8	1.4	1.4	1.4
130°	18.5	11.4	5.7	1.4	1.4	1.4	1.4
132.5°	15.7	8.5	4.3	1.4	1.4	1.4	1.4
135°	12.8	7.1	2.8	1.4	1.4	1.4	1.4
137.5°	10.0	5.7	2.8	1.4	1.4	1.4	1.4
140°	7.1	4.3	1.4	1.4	1.4	1.4	1.4
142.5°	5.7	2.8	1.4	1.4	1.4	1.4	1.4
145°	4.3	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)