

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-LD5-68SL-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-LD5-68SL-LN-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

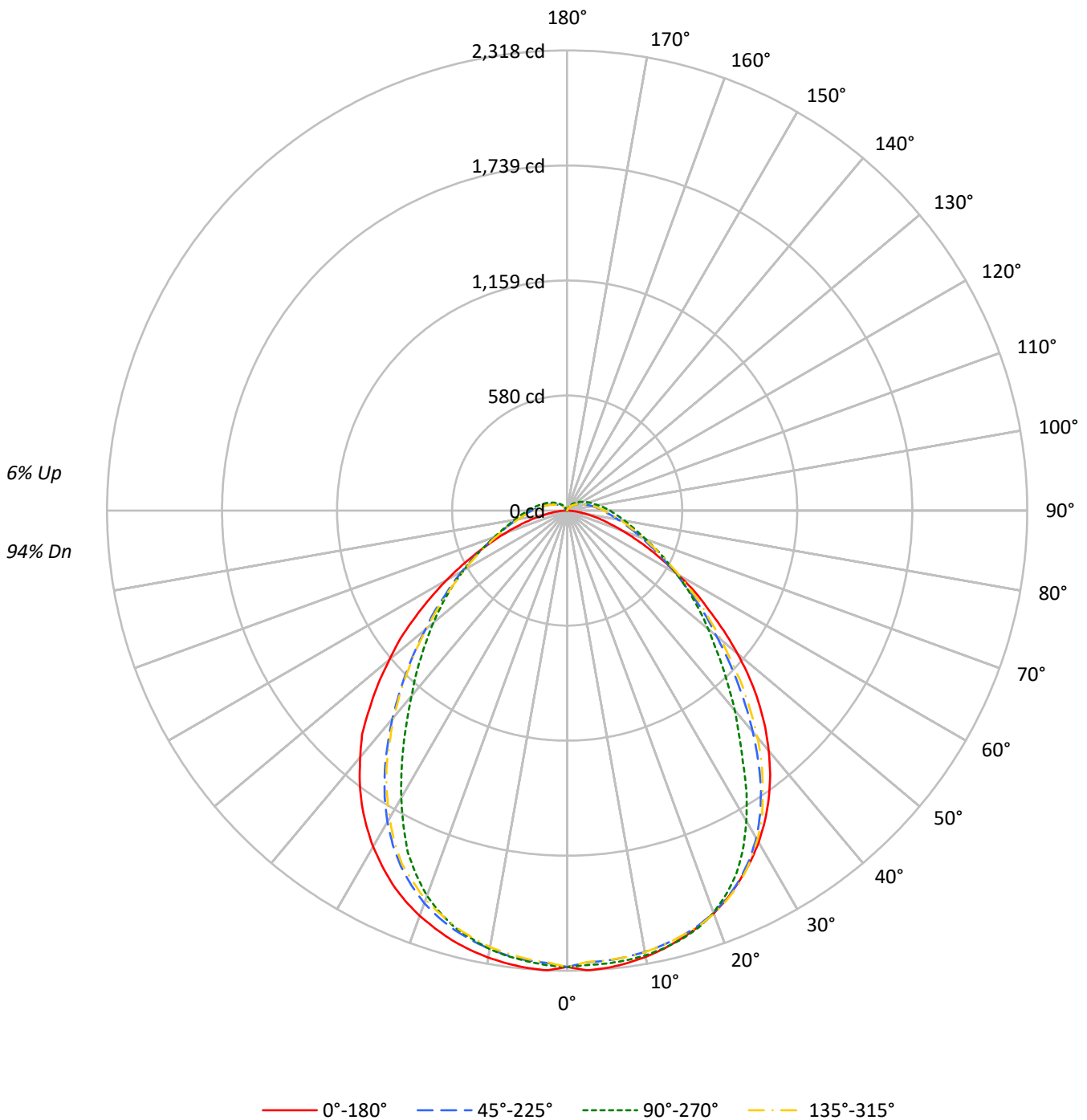
Lumens per Lamp: N/A
Luminaire Lumens: 5818.0 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.14 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 50
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#
CATALOG NUMBER: 8SNLED-LD5-68SL-LN-UNV-L935-CD1-U

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°	9289	9289	9289	9289
5°	9368	8993	9368	8954
10°	9339	8754	9355	8633
15°	9292	8492	9334	8272
20°	9234	8156	9289	7812
25°	9100	7657	9201	7206
30°	8923	6924	9040	6410
35°	8638	6026	8804	5611
40°	8223	5270	8440	4890
45°	7670	4581	7918	4319
50°	6906	4026	7210	3822
55°	5995	3555	6430	3375
60°	5065	3121	5522	2942
65°	4176	2760	4598	2559
70°	3352	2449	3753	2265
75°	2667	2261	3003	2080
80°	1973	2182	2326	1994
85°	1294	2194	1743	2016



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.0	3.7
10°-20°	625.0	10.7
20°-30°	926.2	15.9
30°-40°	1029.0	17.7
40°-50°	932.8	16.0
50°-60°	722.8	12.4
60°-70°	490.8	8.4
70°-80°	312.3	5.4
80°-90°	199.6	3.4
90°-100°	134.6	2.3
100°-110°	92.2	1.6
110°-120°	61.5	1.1
120°-130°	38.3	0.7
130°-140°	21.2	0.4
140°-150°	9.9	0.2
150°-160°	3.6	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	1769.1	30.4
0°-40°	2798.1	48.1
0°-60°	4453.7	76.6
0°-90°	5456.5	93.8
90°-120°	288.3	5.0
90°-150°	357.7	6.1
90°-180°	362.0	6.2
0°-180°	5818.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2299	2299	2299	2299	2299	
5°	2313	2290	2313	2280	2313	220
15°	2231	2234	2241	2176	2231	630
25°	2056	2018	2079	1899	2056	947
35°	1770	1543	1804	1436	1770	1104
45°	1363	1103	1407	1040	1363	1047
55°	870	775	933	736	870	783
65°	451	521	497	483	451	453
75°	181	348	204	320	181	195
85°	33	250	44	230	33	39
90°	0	216	2	197	0	2
95°	1	185	0	172	1	1
105°	1	135	0	128	1	1
115°	1	102	0	95	1	1
125°	1	76	1	67	1	1
135°	1	53	1	43	1	1
145°	1	34	1	24	1	1
155°	1	19	1	9	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-LD5-68SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9
2.5°	2317.9	2315.4	2312.8	2309.1	2312.8	2323.0	2316.6	2302.7	2300.2	2277.4	2287.6
5°	2312.8	2309.1	2306.5	2302.7	2307.8	2320.4	2314.1	2301.5	2297.7	2276.2	2287.6
7.5°	2300.2	2297.7	2293.9	2293.9	2298.9	2311.6	2306.5	2292.6	2290.1	2268.6	2281.2
10°	2282.5	2281.2	2278.7	2278.7	2283.8	2298.9	2292.6	2280.0	2277.4	2257.2	2271.1
12.5°	2259.7	2261.0	2257.2	2257.2	2264.8	2280.0	2274.9	2261.0	2258.5	2240.8	2254.7
15°	2230.6	2231.9	2229.4	2230.6	2238.2	2255.9	2249.6	2237.0	2234.4	2220.5	2231.9
17.5°	2197.8	2199.0	2199.0	2197.8	2206.6	2224.3	2219.3	2207.9	2204.1	2192.7	2206.6
20°	2159.8	2159.8	2159.8	2159.8	2170.0	2187.7	2181.3	2172.5	2164.9	2156.0	2167.4
22.5°	2113.0	2111.8	2113.0	2116.8	2127.0	2140.9	2137.1	2127.0	2115.6	2110.5	2119.4
25°	2056.1	2059.9	2061.2	2065.0	2077.6	2089.0	2085.2	2075.1	2057.4	2053.6	2056.1
27.5°	1996.7	1999.2	2003.0	2001.8	2019.5	2030.9	2023.3	2014.4	1989.1	1985.3	1982.8
30°	1929.7	1933.5	1936.0	1934.7	1948.7	1961.3	1953.7	1942.3	1908.2	1905.7	1885.4
32.5°	1853.8	1857.6	1860.1	1860.1	1880.4	1885.4	1871.5	1855.1	1818.4	1809.6	1791.9
35°	1770.4	1774.2	1775.4	1775.4	1795.6	1794.4	1776.7	1753.9	1713.5	1702.1	1671.7
37.5°	1680.6	1683.1	1684.4	1692.0	1700.8	1693.2	1670.5	1641.4	1611.0	1579.4	1546.5
40°	1579.4	1583.2	1585.7	1590.8	1599.6	1590.8	1557.9	1522.5	1489.6	1454.2	1421.3
42.5°	1475.7	1487.1	1484.6	1483.3	1488.4	1464.3	1439.0	1398.6	1365.7	1329.0	1296.2
45°	1363.2	1361.9	1368.2	1370.8	1369.5	1349.3	1313.9	1277.2	1244.3	1206.4	1178.6
47.5°	1244.3	1243.0	1248.1	1250.6	1243.0	1221.5	1193.7	1152.0	1124.2	1091.3	1069.8
50°	1119.1	1119.1	1126.7	1119.1	1115.3	1093.8	1071.1	1029.3	1007.8	978.8	966.1
52.5°	993.9	1005.3	997.7	995.2	991.4	969.9	952.2	918.1	900.4	887.7	872.5
55°	870.0	882.6	877.6	873.8	872.5	854.8	838.4	813.1	801.7	792.9	784.0
57.5°	765.0	763.8	761.3	757.5	758.7	744.8	728.4	714.5	709.4	705.6	708.1
60°	643.7	653.8	650.0	651.2	652.5	650.0	636.1	627.2	628.5	629.7	633.5
62.5°	543.8	552.6	558.9	553.9	556.4	560.2	552.6	550.1	555.1	560.2	565.2
65°	451.4	460.3	466.6	465.4	472.9	480.5	479.3	481.8	493.2	499.5	505.8
67.5°	368.0	376.8	385.7	386.9	398.3	409.7	414.8	423.6	436.3	445.1	452.7
70°	295.9	303.5	313.6	319.9	335.1	350.3	359.1	376.8	384.4	397.1	402.1
72.5°	231.4	237.7	251.6	266.8	279.5	298.4	316.1	331.3	342.7	356.6	362.9
75°	180.8	183.4	198.5	216.2	233.9	255.4	274.4	290.8	306.0	319.9	330.0
77.5°	132.8	136.6	150.5	174.5	194.7	217.5	239.0	256.7	273.1	287.1	301.0
80°	92.3	99.9	115.1	139.1	161.9	187.2	207.4	227.6	245.3	259.2	273.1
82.5°	59.4	65.8	87.3	111.3	135.3	160.6	182.1	202.3	221.3	236.5	249.1
85°	32.9	41.7	63.2	88.5	112.5	137.8	160.6	180.8	199.8	213.7	226.4
87.5°	12.6	25.3	45.5	69.5	93.6	117.6	141.6	160.6	179.6	194.7	206.1
90°	0.0	15.2	34.1	58.2	82.2	106.2	129.0	149.2	166.9	180.8	193.5
92.5°	1.3	10.1	26.6	46.8	69.5	92.3	113.8	134.0	151.7	165.7	177.0
95°	1.3	7.6	21.5	40.5	60.7	82.2	102.4	121.4	137.8	151.7	163.1
97.5°	1.3	5.1	17.7	35.4	53.1	74.6	93.6	111.3	126.5	140.4	149.2
100°	1.3	5.1	15.2	30.3	48.1	67.0	84.7	102.4	116.3	127.7	137.8
102.5°	1.3	3.8	12.6	26.6	43.0	59.4	77.1	93.6	106.2	117.6	127.7
105°	1.3	3.8	11.4	22.8	37.9	54.4	69.5	84.7	98.6	108.8	117.6
107.5°	1.3	2.5	10.1	19.0	32.9	49.3	64.5	77.1	89.8	99.9	108.8
110°	1.3	2.5	8.9	17.7	29.1	44.3	58.2	70.8	82.2	92.3	99.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-68SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.3	2.5	7.6	16.4	26.6	39.2	53.1	64.5	75.9	84.7	92.3
115°	1.3	2.5	7.6	15.2	24.0	34.1	46.8	59.4	68.3	78.4	84.7
117.5°	1.3	2.5	6.3	12.6	22.8	31.6	43.0	53.1	63.2	72.1	78.4
120°	1.3	2.5	6.3	11.4	20.2	29.1	37.9	48.1	58.2	64.5	70.8
122.5°	1.3	2.5	5.1	11.4	17.7	26.6	34.1	43.0	51.8	59.4	65.8
125°	1.3	2.5	5.1	10.1	16.4	24.0	31.6	37.9	46.8	53.1	59.4
127.5°	1.3	2.5	5.1	8.9	15.2	21.5	29.1	35.4	41.7	48.1	53.1
130°	1.3	2.5	3.8	7.6	13.9	19.0	25.3	32.9	37.9	43.0	48.1
132.5°	1.3	2.5	3.8	7.6	11.4	16.4	22.8	29.1	34.1	39.2	43.0
135°	1.3	2.5	3.8	6.3	10.1	15.2	19.0	25.3	30.3	35.4	39.2
137.5°	1.3	2.5	3.8	6.3	8.9	12.6	16.4	21.5	26.6	30.3	35.4
140°	1.3	2.5	3.8	5.1	7.6	11.4	15.2	17.7	22.8	26.6	30.3
142.5°	1.3	2.5	3.8	5.1	7.6	10.1	12.6	15.2	19.0	22.8	26.6
145°	1.3	2.5	3.8	5.1	6.3	8.9	11.4	13.9	15.2	19.0	21.5
147.5°	1.3	2.5	3.8	5.1	5.1	7.6	10.1	11.4	13.9	15.2	17.7
150°	1.3	2.5	3.8	3.8	5.1	6.3	8.9	10.1	11.4	13.9	15.2
152.5°	1.3	2.5	3.8	3.8	5.1	6.3	7.6	8.9	10.1	11.4	12.6
155°	1.3	2.5	3.8	3.8	3.8	5.1	6.3	7.6	8.9	10.1	11.4
157.5°	2.5	2.5	2.5	3.8	3.8	5.1	5.1	6.3	7.6	7.6	8.9
160°	2.5	2.5	2.5	3.8	3.8	3.8	5.1	5.1	6.3	6.3	7.6
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-LD5-68SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9
2.5°	2285.0	2288.8	2300.2	2300.2	2297.7	2295.1	2295.1	2291.3	2293.9	2298.9	2296.4
5°	2285.0	2288.8	2300.2	2300.2	2297.7	2295.1	2293.9	2290.1	2293.9	2298.9	2296.4
7.5°	2277.4	2282.5	2293.9	2293.9	2291.3	2290.1	2287.6	2285.0	2288.8	2293.9	2291.3
10°	2267.3	2272.4	2283.8	2283.8	2281.2	2281.2	2277.4	2274.9	2280.0	2283.8	2282.5
12.5°	2252.1	2258.5	2268.6	2267.3	2264.8	2266.1	2262.3	2257.2	2262.3	2266.1	2267.3
15°	2230.6	2238.2	2248.4	2245.8	2242.0	2244.6	2238.2	2234.4	2238.2	2245.8	2244.6
17.5°	2202.8	2207.9	2215.5	2215.5	2211.7	2209.2	2206.6	2202.8	2205.4	2210.4	2211.7
20°	2163.6	2170.0	2173.7	2170.0	2168.7	2164.9	2159.8	2156.0	2161.1	2168.7	2170.0
22.5°	2111.8	2113.0	2121.9	2113.0	2106.7	2105.5	2100.4	2092.8	2100.4	2106.7	2108.0
25°	2047.3	2053.6	2049.8	2034.6	2034.6	2024.5	2022.0	2018.2	2019.5	2030.9	2035.9
27.5°	1965.1	1967.6	1957.5	1944.9	1933.5	1927.2	1918.3	1919.6	1919.6	1934.7	1939.8
30°	1875.3	1861.4	1852.6	1832.3	1823.5	1808.3	1805.8	1805.8	1803.2	1810.8	1833.6
32.5°	1767.8	1748.9	1734.9	1716.0	1700.8	1685.6	1678.0	1681.8	1680.6	1699.5	1707.1
35°	1650.2	1638.8	1609.8	1585.7	1576.9	1554.1	1554.1	1542.7	1550.3	1571.8	1580.7
37.5°	1526.3	1508.6	1484.6	1458.0	1451.7	1434.0	1427.7	1421.3	1437.8	1441.6	1450.4
40°	1399.8	1383.4	1360.6	1335.4	1335.4	1313.9	1313.9	1313.9	1315.1	1322.7	1339.1
42.5°	1279.7	1262.0	1241.8	1224.1	1221.5	1205.1	1205.1	1203.8	1206.4	1212.7	1227.9
45°	1163.4	1149.5	1128.0	1119.1	1120.4	1102.7	1106.5	1102.7	1107.7	1114.1	1119.1
47.5°	1055.9	1047.0	1038.2	1025.5	1021.7	1020.5	1014.2	1009.1	1018.0	1018.0	1025.5
50°	956.0	950.9	945.9	938.3	939.6	934.5	926.9	926.9	933.2	934.5	939.6
52.5°	868.7	862.4	856.1	857.4	858.6	856.1	852.3	848.5	852.3	854.8	861.2
55°	781.5	776.4	782.8	780.2	782.8	780.2	777.7	775.2	781.5	777.7	784.0
57.5°	703.1	708.1	710.7	705.6	709.4	706.9	708.1	704.3	709.4	711.9	710.7
60°	631.0	638.6	634.8	636.1	641.1	638.6	633.5	637.3	642.4	643.7	642.4
62.5°	565.2	574.1	577.9	575.4	576.6	574.1	577.9	572.8	579.2	581.7	577.9
65°	505.8	515.9	518.5	518.5	518.5	515.9	519.7	521.0	523.5	523.5	521.0
67.5°	455.2	464.1	466.6	469.1	466.6	464.1	464.1	465.4	470.4	472.9	470.4
70°	409.7	418.6	419.8	419.8	421.1	423.6	418.6	421.1	424.9	426.2	424.9
72.5°	370.5	379.4	381.9	380.6	381.9	383.2	383.2	380.6	384.4	386.9	386.9
75°	338.9	344.0	346.5	346.5	347.7	349.0	349.0	347.7	350.3	351.5	352.8
77.5°	309.8	313.6	317.4	317.4	318.7	317.4	319.9	319.9	321.2	322.5	323.7
80°	280.7	285.8	288.3	289.6	292.1	293.4	293.4	293.4	294.6	295.9	295.9
82.5°	258.0	261.8	265.6	269.3	269.3	270.6	270.6	270.6	271.9	271.9	273.1
85°	235.2	240.3	244.1	246.6	247.8	249.1	249.1	250.4	250.4	250.4	251.6
87.5°	215.0	221.3	223.8	226.4	227.6	230.1	230.1	230.1	231.4	231.4	231.4
90°	201.1	207.4	209.9	212.4	213.7	215.0	215.0	216.2	216.2	217.5	217.5
92.5°	184.6	190.9	196.0	196.0	197.3	199.8	198.5	198.5	199.8	201.1	201.1
95°	172.0	177.0	180.8	182.1	183.4	183.4	183.4	184.6	183.4	184.6	184.6
97.5°	156.8	161.9	165.7	168.2	169.4	169.4	169.4	170.7	169.4	170.7	170.7
100°	144.2	149.2	153.0	154.3	156.8	156.8	156.8	156.8	156.8	156.8	158.1
102.5°	134.0	139.1	141.6	142.9	144.2	145.4	145.4	145.4	145.4	146.7	146.7
105°	123.9	129.0	131.5	132.8	134.0	135.3	135.3	135.3	136.6	136.6	135.3
107.5°	115.1	118.9	121.4	123.9	125.2	125.2	126.5	126.5	126.5	126.5	126.5
110°	106.2	110.0	113.8	116.3	116.3	117.6	117.6	118.9	118.9	117.6	118.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-68SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	97.4	102.4	105.0	107.5	108.8	110.0	110.0	110.0	110.0	110.0	110.0
115°	89.8	94.8	97.4	99.9	101.2	102.4	102.4	102.4	102.4	102.4	102.4
117.5°	83.5	88.5	91.0	92.3	93.6	94.8	96.1	96.1	96.1	96.1	94.8
120°	77.1	80.9	83.5	86.0	87.3	88.5	88.5	88.5	88.5	88.5	88.5
122.5°	70.8	74.6	77.1	79.7	80.9	82.2	82.2	82.2	82.2	82.2	82.2
125°	64.5	68.3	70.8	73.3	74.6	75.9	75.9	75.9	75.9	75.9	75.9
127.5°	58.2	62.0	65.8	67.0	68.3	69.5	69.5	69.5	70.8	69.5	69.5
130°	51.8	55.6	59.4	60.7	62.0	63.2	64.5	64.5	64.5	64.5	63.2
132.5°	46.8	50.6	53.1	54.4	56.9	56.9	58.2	58.2	58.2	58.2	56.9
135°	43.0	45.5	48.1	49.3	51.8	51.8	51.8	53.1	53.1	51.8	50.6
137.5°	37.9	40.5	43.0	44.3	45.5	46.8	46.8	48.1	46.8	46.8	46.8
140°	35.4	36.7	39.2	40.5	41.7	41.7	41.7	43.0	43.0	41.7	41.7
142.5°	30.3	32.9	35.4	36.7	37.9	37.9	37.9	37.9	37.9	37.9	37.9
145°	25.3	29.1	30.3	32.9	32.9	34.1	34.1	34.1	34.1	34.1	32.9
147.5°	21.5	24.0	27.8	29.1	29.1	30.3	30.3	30.3	30.3	30.3	29.1
150°	16.4	19.0	22.8	25.3	25.3	26.6	26.6	26.6	26.6	25.3	25.3
152.5°	13.9	16.4	17.7	20.2	21.5	21.5	21.5	22.8	21.5	21.5	21.5
155°	12.6	13.9	15.2	16.4	17.7	19.0	19.0	19.0	19.0	17.7	17.7
157.5°	10.1	11.4	12.6	13.9	15.2	16.4	16.4	16.4	16.4	16.4	15.2
160°	7.6	8.9	10.1	10.1	11.4	12.6	13.9	12.6	12.6	12.6	12.6
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-LD5-68SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9
2.5°	2293.9	2292.6	2296.4	2290.1	2271.1	2276.2	2273.6	2285.0	2287.6	2290.1	2301.5
5°	2293.9	2292.6	2295.1	2290.1	2269.9	2273.6	2271.1	2282.5	2285.0	2286.3	2297.7
7.5°	2288.8	2287.6	2291.3	2285.0	2263.5	2268.6	2264.8	2276.2	2277.4	2278.7	2288.8
10°	2278.7	2277.4	2280.0	2274.9	2253.4	2258.5	2253.4	2264.8	2264.8	2267.3	2274.9
12.5°	2263.5	2261.0	2266.1	2259.7	2235.7	2242.0	2239.5	2247.1	2248.4	2249.6	2257.2
15°	2242.0	2239.5	2243.3	2239.5	2218.0	2219.3	2215.5	2226.9	2228.1	2225.6	2233.2
17.5°	2210.4	2207.9	2215.5	2212.9	2191.4	2196.5	2195.2	2197.8	2201.6	2195.2	2205.4
20°	2171.2	2173.7	2176.3	2177.5	2161.1	2161.1	2159.8	2164.9	2168.7	2163.6	2171.2
22.5°	2113.0	2119.4	2127.0	2129.5	2118.1	2116.8	2124.4	2121.9	2125.7	2123.2	2128.2
25°	2039.7	2052.3	2059.9	2067.5	2061.2	2063.7	2075.1	2077.6	2077.6	2076.4	2081.4
27.5°	1948.7	1965.1	1979.0	1995.4	1989.1	1994.2	2013.1	2015.7	2020.7	2015.7	2025.8
30°	1839.9	1855.1	1881.6	1905.7	1908.2	1915.8	1942.3	1944.9	1958.8	1953.7	1957.5
32.5°	1731.2	1738.7	1769.1	1793.1	1808.3	1827.3	1856.3	1861.4	1880.4	1884.2	1884.2
35°	1594.6	1616.1	1643.9	1678.0	1697.0	1717.2	1756.4	1764.0	1791.9	1800.7	1810.8
37.5°	1479.5	1499.7	1517.4	1552.9	1587.0	1609.8	1641.4	1660.3	1689.4	1705.9	1718.5
40°	1356.9	1373.3	1392.3	1427.7	1456.8	1490.9	1522.5	1545.3	1581.9	1600.9	1617.3
42.5°	1240.5	1253.2	1273.4	1298.7	1329.0	1367.0	1397.3	1423.9	1463.1	1489.6	1508.6
45°	1136.8	1144.4	1162.1	1181.1	1207.6	1246.8	1275.9	1310.1	1341.7	1369.5	1392.3
47.5°	1039.5	1049.6	1058.4	1071.1	1095.1	1119.1	1153.3	1186.1	1217.8	1248.1	1270.9
50°	949.7	949.7	963.6	972.4	988.9	1010.4	1036.9	1059.7	1098.9	1120.4	1149.5
52.5°	862.4	867.5	875.1	880.1	892.8	906.7	928.2	947.1	980.0	1000.3	1028.1
55°	785.3	790.3	794.1	796.7	804.2	820.7	828.3	843.4	866.2	882.6	906.7
57.5°	711.9	714.5	718.3	719.5	720.8	730.9	737.2	741.0	763.8	780.2	800.5
60°	644.9	644.9	648.7	647.4	646.2	651.2	650.0	653.8	667.7	677.8	686.6
62.5°	581.7	581.7	583.0	580.4	579.2	579.2	574.1	577.9	581.7	583.0	589.3
65°	523.5	529.8	524.8	526.0	518.5	515.9	513.4	505.8	504.6	499.5	502.0
67.5°	471.7	476.7	471.7	471.7	465.4	460.3	454.0	441.3	437.5	427.4	424.9
70°	429.9	426.2	428.7	424.9	417.3	411.0	402.1	392.0	379.4	366.7	357.9
72.5°	389.5	389.5	386.9	383.2	379.4	366.7	356.6	345.2	330.0	313.6	301.0
75°	350.3	351.5	351.5	347.7	341.4	330.0	318.7	302.2	285.8	266.8	250.4
77.5°	322.5	322.5	322.5	316.1	309.8	299.7	285.8	268.1	250.4	227.6	208.6
80°	295.9	294.6	294.6	287.1	280.7	269.3	255.4	237.7	218.8	194.7	173.2
82.5°	274.4	273.1	270.6	264.3	255.4	244.1	230.1	211.2	190.9	169.4	142.9
85°	251.6	250.4	247.8	241.5	232.7	222.6	207.4	188.4	168.2	144.2	118.9
87.5°	231.4	230.1	226.4	222.6	212.4	201.1	185.9	168.2	146.7	123.9	98.6
90°	217.5	215.0	212.4	207.4	198.5	185.9	170.7	151.7	130.2	107.5	82.2
92.5°	201.1	199.8	196.0	190.9	183.4	170.7	155.5	137.8	116.3	94.8	70.8
95°	184.6	183.4	180.8	175.8	168.2	156.8	142.9	125.2	105.0	83.5	62.0
97.5°	169.4	169.4	165.7	161.9	153.0	144.2	130.2	113.8	94.8	75.9	55.6
100°	156.8	156.8	153.0	148.0	141.6	132.8	118.9	103.7	86.0	68.3	48.1
102.5°	145.4	144.2	141.6	136.6	130.2	121.4	108.8	94.8	78.4	60.7	43.0
105°	135.3	134.0	131.5	126.5	121.4	111.3	101.2	87.3	70.8	54.4	37.9
107.5°	125.2	123.9	122.7	117.6	111.3	102.4	92.3	78.4	64.5	49.3	34.1
110°	116.3	115.1	112.5	107.5	101.2	93.6	83.5	72.1	58.2	44.3	30.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-68SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	108.8	107.5	105.0	99.9	94.8	86.0	77.1	64.5	53.1	40.5	26.6
115°	101.2	99.9	97.4	92.3	86.0	78.4	69.5	59.4	46.8	35.4	24.0
117.5°	93.6	92.3	89.8	86.0	79.7	72.1	63.2	53.1	41.7	32.9	21.5
120°	87.3	84.7	82.2	78.4	72.1	65.8	56.9	48.1	37.9	29.1	19.0
122.5°	80.9	78.4	75.9	72.1	65.8	59.4	50.6	43.0	35.4	26.6	17.7
125°	73.3	72.1	69.5	65.8	59.4	53.1	46.8	39.2	31.6	24.0	15.2
127.5°	67.0	65.8	63.2	58.2	53.1	48.1	41.7	35.4	27.8	20.2	13.9
130°	62.0	59.4	56.9	53.1	49.3	44.3	37.9	31.6	25.3	17.7	12.6
132.5°	55.6	53.1	50.6	48.1	44.3	39.2	34.1	27.8	22.8	16.4	11.4
135°	50.6	48.1	45.5	43.0	39.2	35.4	30.3	25.3	20.2	15.2	10.1
137.5°	44.3	43.0	41.7	39.2	35.4	31.6	27.8	21.5	17.7	13.9	8.9
140°	40.5	39.2	37.9	34.1	31.6	27.8	24.0	19.0	15.2	11.4	7.6
142.5°	36.7	35.4	32.9	30.3	27.8	25.3	20.2	17.7	13.9	10.1	7.6
145°	31.6	30.3	29.1	26.6	24.0	20.2	17.7	15.2	12.6	8.9	6.3
147.5°	29.1	27.8	25.3	22.8	20.2	17.7	16.4	13.9	10.1	7.6	5.1
150°	24.0	22.8	21.5	19.0	17.7	16.4	13.9	11.4	8.9	6.3	5.1
152.5°	20.2	19.0	17.7	17.7	15.2	13.9	11.4	10.1	7.6	6.3	3.8
155°	17.7	17.7	16.4	15.2	12.6	11.4	10.1	7.6	6.3	5.1	3.8
157.5°	15.2	13.9	12.6	12.6	11.4	10.1	7.6	6.3	5.1	5.1	3.8
160°	12.6	11.4	11.4	10.1	8.9	7.6	6.3	6.3	5.1	3.8	3.8
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-LD5-68SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9
2.5°	2302.7	2288.8	2301.5	2317.9	2317.9	2315.4	2312.8	2317.9	2330.5	2325.5	2310.3
5°	2298.9	2285.0	2296.4	2312.8	2312.8	2309.1	2306.5	2310.3	2324.2	2317.9	2304.0
7.5°	2291.3	2278.7	2286.3	2301.5	2301.5	2297.7	2295.1	2300.2	2311.6	2305.3	2290.1
10°	2277.4	2263.5	2272.4	2286.3	2285.0	2282.5	2278.7	2285.0	2295.1	2286.3	2268.6
12.5°	2259.7	2245.8	2253.4	2266.1	2264.8	2259.7	2257.2	2261.0	2269.9	2264.8	2245.8
15°	2235.7	2221.8	2228.1	2240.8	2237.0	2233.2	2228.1	2229.4	2240.8	2231.9	2211.7
17.5°	2206.6	2191.4	2196.5	2207.9	2204.1	2200.3	2194.0	2195.2	2207.9	2195.2	2173.7
20°	2171.2	2154.8	2158.6	2172.5	2166.2	2159.8	2153.5	2153.5	2166.2	2152.2	2128.2
22.5°	2133.3	2116.8	2119.4	2129.5	2124.4	2113.0	2106.7	2110.5	2116.8	2099.1	2073.8
25°	2086.5	2065.0	2068.8	2078.9	2075.1	2059.9	2053.6	2056.1	2053.6	2039.7	2013.1
27.5°	2032.1	2009.4	2011.9	2018.2	2013.1	1999.2	1991.7	1992.9	1987.9	1970.2	1939.8
30°	1963.8	1952.5	1951.2	1955.0	1947.4	1933.5	1924.6	1922.1	1920.8	1895.5	1858.9
32.5°	1894.3	1884.2	1877.8	1882.9	1874.0	1860.1	1845.0	1845.0	1832.3	1808.3	1776.7
35°	1823.5	1807.0	1800.7	1804.5	1794.4	1776.7	1764.0	1757.7	1738.7	1708.4	1674.3
37.5°	1732.4	1721.0	1713.5	1717.2	1705.9	1693.2	1669.2	1662.9	1642.6	1600.9	1557.9
40°	1633.8	1624.9	1617.3	1621.1	1608.5	1589.5	1568.0	1557.9	1535.2	1488.4	1454.2
42.5°	1527.6	1523.8	1514.9	1528.8	1503.5	1484.6	1463.1	1446.6	1423.9	1373.3	1334.1
45°	1415.0	1423.9	1403.6	1407.4	1391.0	1374.6	1351.8	1327.8	1305.0	1257.0	1212.7
47.5°	1296.2	1302.5	1288.6	1291.1	1273.4	1258.2	1238.0	1207.6	1182.3	1140.6	1101.4
50°	1173.5	1171.0	1171.0	1168.4	1154.5	1135.6	1115.3	1087.5	1062.2	1024.3	991.4
52.5°	1043.2	1048.3	1050.8	1057.2	1039.5	1028.1	996.5	972.4	953.5	914.3	886.4
55°	918.1	935.8	930.7	933.2	913.0	904.1	878.9	859.9	832.1	809.3	791.6
57.5°	804.2	808.0	810.6	814.4	805.5	787.8	767.6	752.4	730.9	711.9	699.3
60°	694.2	694.2	695.5	701.8	693.0	677.8	662.6	651.2	636.1	624.7	617.1
62.5°	590.5	599.4	600.7	595.6	584.2	576.6	566.5	560.2	550.1	546.3	543.8
65°	494.4	494.4	494.4	497.0	490.6	485.6	479.3	478.0	481.8	476.7	479.3
67.5°	413.5	409.7	407.2	408.4	405.9	403.4	402.1	405.9	413.5	413.5	419.8
70°	344.0	336.4	331.3	331.3	331.3	332.6	336.4	344.0	356.6	361.7	370.5
72.5°	287.1	270.6	263.0	263.0	264.3	269.3	280.7	294.6	306.0	316.1	327.5
75°	232.7	216.2	204.9	203.6	206.1	213.7	230.1	242.8	261.8	275.7	289.6
77.5°	188.4	168.2	154.3	153.0	156.8	168.2	188.4	204.9	226.4	241.5	256.7
80°	150.5	127.7	116.3	108.8	115.1	129.0	151.7	172.0	192.2	212.4	231.4
82.5°	120.1	98.6	80.9	73.3	80.9	99.9	121.4	145.4	165.7	187.2	206.1
85°	94.8	72.1	51.8	44.3	53.1	73.3	97.4	121.4	144.2	165.7	184.6
87.5°	74.6	51.8	31.6	21.5	32.9	54.4	77.1	101.2	125.2	146.7	165.7
90°	58.2	36.7	17.7	2.5	19.0	39.2	62.0	84.7	108.8	130.2	149.2
92.5°	49.3	27.8	10.1	0.0	11.4	29.1	50.6	73.3	94.8	116.3	135.3
95°	41.7	22.8	7.6	0.0	7.6	22.8	41.7	62.0	83.5	105.0	123.9
97.5°	35.4	17.7	5.1	0.0	5.1	17.7	34.1	54.4	73.3	93.6	111.3
100°	30.3	15.2	3.8	0.0	3.8	13.9	29.1	46.8	65.8	84.7	101.2
102.5°	26.6	12.6	2.5	0.0	2.5	11.4	24.0	40.5	56.9	74.6	91.0
105°	22.8	10.1	2.5	0.0	1.3	8.9	20.2	35.4	50.6	67.0	82.2
107.5°	20.2	8.9	2.5	0.0	1.3	7.6	17.7	30.3	45.5	59.4	73.3
110°	17.7	7.6	2.5	0.0	1.3	5.1	15.2	26.6	39.2	53.1	67.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-68SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	15.2	6.3	1.3	0.0	0.0	3.8	12.6	22.8	34.1	48.1	59.4
115°	13.9	6.3	1.3	0.0	0.0	2.5	10.1	20.2	30.3	43.0	53.1
117.5°	12.6	5.1	1.3	0.0	1.3	2.5	8.9	17.7	26.6	36.7	48.1
120°	11.4	5.1	1.3	0.0	1.3	1.3	6.3	15.2	22.8	32.9	41.7
122.5°	10.1	5.1	1.3	0.0	1.3	1.3	5.1	12.6	20.2	29.1	36.7
125°	8.9	3.8	2.5	1.3	1.3	1.3	3.8	10.1	17.7	24.0	32.9
127.5°	8.9	3.8	2.5	1.3	1.3	1.3	2.5	8.9	13.9	21.5	29.1
130°	7.6	3.8	2.5	1.3	1.3	1.3	1.3	6.3	12.6	17.7	24.0
132.5°	6.3	3.8	2.5	1.3	1.3	1.3	1.3	3.8	8.9	15.2	20.2
135°	6.3	3.8	2.5	1.3	1.3	1.3	1.3	2.5	6.3	11.4	16.4
137.5°	5.1	2.5	2.5	1.3	1.3	1.3	1.3	1.3	5.1	8.9	12.6
140°	5.1	2.5	2.5	1.3	1.3	1.3	1.3	1.3	3.8	6.3	10.1
142.5°	3.8	2.5	2.5	1.3	1.3	1.3	1.3	1.3	2.5	5.1	7.6
145°	3.8	2.5	2.5	1.3	1.3	1.3	1.3	1.3	1.3	2.5	5.1
147.5°	3.8	3.8	2.5	1.3	1.3	1.3	1.3	1.3	1.3	2.5	3.8
150°	3.8	2.5	2.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.5
152.5°	3.8	2.5	2.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.5
155°	3.8	2.5	2.5	1.3	1.3	1.3	1.3	1.3	1.3	2.5	2.5
157.5°	3.8	2.5	2.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.5
160°	3.8	2.5	2.5	1.3	2.5	1.3	2.5	2.5	2.5	2.5	2.5
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



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-68SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9
2.5°	2305.3	2281.2	2293.9	2290.1	2295.1	2305.3	2304.0	2301.5	2301.5	2297.7	2292.6
5°	2297.7	2274.9	2286.3	2280.0	2286.3	2295.1	2293.9	2290.1	2292.6	2286.3	2280.0
7.5°	2282.5	2262.3	2272.4	2267.3	2272.4	2281.2	2277.4	2276.2	2278.7	2268.6	2264.8
10°	2264.8	2242.0	2253.4	2247.1	2253.4	2259.7	2257.2	2252.1	2257.2	2247.1	2243.3
12.5°	2237.0	2218.0	2225.6	2223.1	2226.9	2233.2	2228.1	2224.3	2226.9	2218.0	2210.4
15°	2206.6	2187.7	2194.0	2190.2	2192.7	2200.3	2191.4	2190.2	2187.7	2178.8	2176.3
17.5°	2167.4	2149.7	2156.0	2149.7	2153.5	2151.0	2149.7	2143.4	2143.4	2133.3	2125.7
20°	2119.4	2104.2	2100.4	2095.3	2100.4	2095.3	2087.8	2082.7	2081.4	2071.3	2065.0
22.5°	2063.7	2046.0	2048.6	2034.6	2035.9	2028.3	2015.7	2010.6	2005.6	1994.2	1985.3
25°	1996.7	1979.0	1966.4	1957.5	1946.1	1944.9	1928.4	1915.8	1914.5	1900.6	1899.3
27.5°	1920.8	1900.6	1890.5	1869.0	1855.1	1843.7	1829.8	1817.1	1810.8	1795.6	1785.5
30°	1833.6	1810.8	1785.5	1770.4	1748.9	1740.0	1716.0	1700.8	1695.7	1679.3	1671.7
32.5°	1734.9	1710.9	1690.7	1661.6	1637.6	1624.9	1600.9	1585.7	1579.4	1561.7	1551.6
35°	1627.5	1600.9	1576.9	1549.1	1530.1	1508.6	1479.5	1464.3	1450.4	1444.1	1436.5
37.5°	1514.9	1485.8	1458.0	1430.2	1413.8	1388.5	1363.2	1353.1	1336.6	1330.3	1322.7
40°	1398.6	1369.5	1342.9	1316.4	1297.4	1274.7	1251.9	1248.1	1230.4	1224.1	1219.0
42.5°	1283.5	1253.2	1222.8	1203.8	1189.9	1167.2	1152.0	1148.2	1133.0	1129.2	1129.2
45°	1179.8	1141.9	1116.6	1100.2	1088.8	1069.8	1057.2	1054.6	1042.0	1039.5	1039.5
47.5°	1068.5	1033.1	1014.2	1004.0	993.9	980.0	972.4	972.4	959.8	957.3	956.0
50°	964.8	932.0	918.1	907.9	906.7	896.6	890.2	887.7	887.7	878.9	880.1
52.5°	866.2	849.8	838.4	832.1	824.5	818.2	813.1	813.1	809.3	803.0	805.5
55°	775.2	756.2	757.5	752.4	748.6	744.8	746.1	738.5	737.2	732.2	736.0
57.5°	684.1	684.1	681.6	677.8	671.5	674.0	674.0	674.0	667.7	663.9	667.7
60°	607.0	610.8	604.5	608.2	605.7	607.0	604.5	604.5	600.7	599.4	600.7
62.5°	538.7	545.0	542.5	547.5	545.0	546.3	548.8	543.8	541.2	538.7	541.2
65°	478.0	485.6	484.3	488.1	489.4	490.6	491.9	489.4	486.8	484.3	483.1
67.5°	424.9	432.5	437.5	438.8	440.1	443.9	442.6	440.1	437.5	433.7	432.5
70°	376.8	386.9	393.3	395.8	400.9	398.3	398.3	397.1	394.5	390.7	389.5
72.5°	336.4	347.7	354.1	356.6	361.7	361.7	360.4	359.1	356.6	352.8	351.5
75°	301.0	311.1	319.9	325.0	328.8	328.8	327.5	326.3	323.7	321.2	319.9
77.5°	273.1	282.0	289.6	295.9	298.4	299.7	298.4	295.9	295.9	294.6	293.4
80°	245.3	255.4	263.0	269.3	273.1	273.1	271.9	273.1	270.6	269.3	268.1
82.5°	221.3	232.7	241.5	247.8	250.4	251.6	250.4	251.6	249.1	249.1	249.1
85°	199.8	211.2	221.3	226.4	230.1	231.4	231.4	231.4	230.1	230.1	230.1
87.5°	182.1	193.5	203.6	208.6	212.4	213.7	213.7	215.0	212.4	212.4	212.4
90°	165.7	177.0	187.2	192.2	196.0	198.5	198.5	199.8	198.5	197.3	197.3
92.5°	150.5	163.1	173.2	178.3	182.1	185.9	185.9	187.2	184.6	184.6	184.6
95°	137.8	150.5	159.3	165.7	169.4	172.0	173.2	173.2	172.0	172.0	172.0
97.5°	126.5	137.8	146.7	153.0	156.8	158.1	159.3	160.6	159.3	159.3	159.3
100°	115.1	126.5	135.3	140.4	145.4	146.7	148.0	149.2	149.2	148.0	148.0
102.5°	105.0	116.3	123.9	130.2	134.0	136.6	137.8	137.8	137.8	137.8	137.8
105°	94.8	106.2	113.8	120.1	123.9	126.5	127.7	129.0	129.0	127.7	127.7
107.5°	86.0	96.1	105.0	110.0	115.1	117.6	118.9	118.9	120.1	118.9	118.9
110°	77.1	88.5	96.1	101.2	106.2	108.8	110.0	111.3	111.3	111.3	111.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-68SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	70.8	79.7	87.3	92.3	97.4	99.9	101.2	102.4	103.7	102.4	102.4
115°	63.2	72.1	79.7	84.7	88.5	91.0	93.6	94.8	94.8	96.1	94.8
117.5°	56.9	64.5	72.1	77.1	80.9	84.7	86.0	87.3	88.5	87.3	87.3
120°	50.6	58.2	64.5	69.5	73.3	77.1	78.4	79.7	80.9	79.7	79.7
122.5°	45.5	51.8	58.2	63.2	67.0	69.5	72.1	72.1	73.3	73.3	73.3
125°	40.5	46.8	51.8	56.9	60.7	63.2	64.5	65.8	65.8	67.0	67.0
127.5°	35.4	40.5	46.8	50.6	54.4	56.9	58.2	59.4	59.4	60.7	60.7
130°	30.3	35.4	40.5	44.3	48.1	50.6	51.8	53.1	54.4	54.4	54.4
132.5°	26.6	31.6	35.4	39.2	41.7	44.3	46.8	48.1	48.1	48.1	48.1
135°	21.5	26.6	30.3	34.1	36.7	39.2	40.5	43.0	43.0	43.0	43.0
137.5°	17.7	22.8	26.6	29.1	31.6	34.1	35.4	36.7	37.9	37.9	37.9
140°	13.9	17.7	21.5	25.3	27.8	29.1	31.6	31.6	32.9	32.9	32.9
142.5°	10.1	13.9	16.4	20.2	22.8	25.3	26.6	27.8	27.8	27.8	27.8
145°	7.6	10.1	12.6	15.2	19.0	20.2	21.5	22.8	24.0	24.0	24.0
147.5°	5.1	7.6	8.9	11.4	13.9	16.4	17.7	19.0	20.2	20.2	20.2
150°	3.8	5.1	7.6	8.9	10.1	12.6	15.2	15.2	16.4	16.4	15.2
152.5°	2.5	3.8	5.1	6.3	7.6	8.9	11.4	11.4	12.6	12.6	12.6
155°	2.5	2.5	2.5	3.8	5.1	6.3	7.6	8.9	8.9	8.9	8.9
157.5°	2.5	2.5	2.5	2.5	2.5	3.8	5.1	6.3	6.3	6.3	6.3
160°	2.5	2.5	1.3	1.3	2.5	2.5	2.5	2.5	3.8	3.8	3.8
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-LD5-68SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9
2.5°	2296.4	2298.9	2298.9	2296.4	2295.1	2300.2	2293.9	2269.9	2277.4	2280.0	2287.6
5°	2285.0	2287.6	2287.6	2287.6	2285.0	2290.1	2283.8	2259.7	2268.6	2272.4	2277.4
7.5°	2268.6	2269.9	2272.4	2271.1	2268.6	2276.2	2269.9	2245.8	2252.1	2258.5	2264.8
10°	2247.1	2247.1	2248.4	2250.9	2248.4	2254.7	2248.4	2226.9	2233.2	2237.0	2244.6
12.5°	2218.0	2220.5	2221.8	2220.5	2219.3	2224.3	2221.8	2201.6	2204.1	2211.7	2219.3
15°	2178.8	2178.8	2185.1	2182.6	2182.6	2187.7	2190.2	2167.4	2171.2	2182.6	2190.2
17.5°	2130.8	2132.0	2137.1	2139.6	2138.3	2147.2	2148.5	2130.8	2129.5	2143.4	2151.0
20°	2068.8	2071.3	2077.6	2082.7	2082.7	2092.8	2096.6	2085.2	2086.5	2101.7	2104.2
22.5°	1992.9	1992.9	2004.3	2011.9	2018.2	2024.5	2035.9	2025.8	2025.8	2046.0	2057.4
25°	1899.3	1908.2	1912.0	1927.2	1936.0	1953.7	1963.8	1965.1	1966.4	1985.3	1992.9
27.5°	1795.6	1798.2	1809.6	1827.3	1837.4	1853.8	1872.8	1876.6	1882.9	1908.2	1919.6
30°	1678.0	1685.6	1690.7	1716.0	1729.9	1751.4	1775.4	1784.3	1789.3	1823.5	1837.4
32.5°	1557.9	1560.4	1581.9	1595.9	1612.3	1635.1	1662.9	1679.3	1689.4	1724.8	1745.1
35°	1437.8	1442.8	1460.5	1478.2	1494.7	1517.4	1546.5	1569.3	1587.0	1618.6	1645.2
37.5°	1327.8	1340.4	1344.2	1361.9	1374.6	1397.3	1417.6	1450.4	1468.1	1501.0	1535.2
40°	1229.1	1232.9	1235.5	1253.2	1262.0	1283.5	1312.6	1334.1	1358.1	1382.1	1422.6
42.5°	1131.8	1134.3	1138.1	1148.2	1158.3	1173.5	1195.0	1216.5	1241.8	1277.2	1303.7
45°	1042.0	1044.5	1047.0	1053.4	1062.2	1076.1	1090.0	1105.2	1130.5	1160.8	1188.7
47.5°	958.5	963.6	963.6	964.8	971.2	982.5	992.7	1011.6	1025.5	1042.0	1073.6
50°	878.9	882.6	883.9	883.9	887.7	895.3	897.8	910.5	923.1	938.3	961.1
52.5°	804.2	804.2	803.0	808.0	808.0	813.1	814.4	822.0	830.8	847.2	857.4
55°	733.4	733.4	737.2	734.7	734.7	737.2	736.0	737.2	744.8	754.9	763.8
57.5°	665.1	663.9	667.7	665.1	663.9	666.4	668.9	663.9	665.1	675.3	675.3
60°	596.9	598.1	601.9	599.4	599.4	599.4	596.9	594.3	591.8	598.1	600.7
62.5°	542.5	538.7	542.5	538.7	541.2	540.0	537.4	532.4	533.6	531.1	528.6
65°	485.6	485.6	486.8	483.1	485.6	485.6	481.8	480.5	472.9	470.4	464.1
67.5°	436.3	436.3	437.5	435.0	435.0	436.3	432.5	428.7	421.1	417.3	408.4
70°	393.3	393.3	393.3	392.0	392.0	392.0	389.5	384.4	376.8	370.5	359.1
72.5°	354.1	355.3	354.1	354.1	357.9	354.1	350.3	345.2	338.9	326.3	316.1
75°	322.5	323.7	322.5	322.5	322.5	321.2	319.9	312.3	304.8	294.6	279.5
77.5°	294.6	294.6	295.9	294.6	294.6	293.4	289.6	283.3	274.4	265.6	247.8
80°	268.1	269.3	270.6	271.9	269.3	268.1	264.3	259.2	247.8	237.7	220.0
82.5°	249.1	247.8	249.1	250.4	247.8	246.6	242.8	236.5	227.6	213.7	196.0
85°	230.1	228.9	228.9	230.1	228.9	226.4	222.6	216.2	207.4	193.5	175.8
87.5°	211.2	212.4	213.7	212.4	211.2	208.6	204.9	198.5	188.4	177.0	158.1
90°	197.3	197.3	197.3	197.3	196.0	193.5	189.7	182.1	173.2	159.3	142.9
92.5°	184.6	184.6	184.6	184.6	183.4	179.6	175.8	169.4	159.3	145.4	130.2
95°	172.0	173.2	172.0	172.0	169.4	168.2	161.9	155.5	146.7	132.8	116.3
97.5°	158.1	159.3	158.1	158.1	156.8	154.3	150.5	142.9	134.0	121.4	106.2
100°	148.0	148.0	146.7	146.7	145.4	142.9	137.8	131.5	122.7	110.0	94.8
102.5°	136.6	137.8	136.6	136.6	134.0	131.5	127.7	121.4	112.5	99.9	86.0
105°	127.7	127.7	126.5	126.5	123.9	121.4	117.6	110.0	102.4	91.0	77.1
107.5°	118.9	118.9	117.6	117.6	115.1	112.5	107.5	101.2	93.6	82.2	69.5
110°	110.0	110.0	110.0	108.8	106.2	102.4	98.6	92.3	84.7	74.6	62.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-68SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	103.7	102.4	101.2	99.9	97.4	94.8	89.8	83.5	75.9	67.0	55.6
115°	94.8	94.8	93.6	92.3	89.8	86.0	82.2	77.1	69.5	59.4	49.3
117.5°	87.3	87.3	86.0	84.7	82.2	78.4	74.6	69.5	62.0	53.1	44.3
120°	79.7	79.7	78.4	77.1	74.6	70.8	68.3	62.0	55.6	46.8	39.2
122.5°	73.3	72.1	72.1	69.5	68.3	64.5	60.7	55.6	49.3	41.7	34.1
125°	65.8	65.8	64.5	63.2	62.0	58.2	54.4	49.3	43.0	36.7	30.3
127.5°	59.4	59.4	58.2	56.9	55.6	51.8	48.1	44.3	37.9	31.6	25.3
130°	53.1	53.1	51.8	50.6	49.3	45.5	43.0	37.9	32.9	27.8	21.5
132.5°	48.1	48.1	46.8	45.5	43.0	40.5	37.9	32.9	29.1	24.0	19.0
135°	43.0	41.7	41.7	40.5	37.9	35.4	32.9	29.1	24.0	20.2	15.2
137.5°	37.9	36.7	35.4	34.1	32.9	30.3	27.8	25.3	21.5	16.4	12.6
140°	32.9	31.6	31.6	30.3	27.8	26.6	24.0	20.2	17.7	13.9	10.1
142.5°	27.8	27.8	26.6	25.3	24.0	22.8	20.2	17.7	13.9	11.4	7.6
145°	24.0	22.8	22.8	21.5	20.2	17.7	16.4	13.9	11.4	8.9	6.3
147.5°	19.0	19.0	19.0	17.7	16.4	15.2	13.9	11.4	8.9	6.3	3.8
150°	15.2	15.2	15.2	13.9	12.6	11.4	10.1	8.9	6.3	3.8	2.5
152.5°	12.6	12.6	11.4	11.4	10.1	8.9	7.6	6.3	3.8	2.5	2.5
155°	8.9	8.9	8.9	7.6	7.6	6.3	5.1	3.8	2.5	2.5	2.5
157.5°	6.3	6.3	6.3	5.1	5.1	3.8	3.8	2.5	2.5	2.5	2.5
160°	3.8	3.8	3.8	3.8	2.5	2.5	2.5	2.5	2.5	2.5	2.5
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



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-68SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9	2298.9
2.5°	2283.8	2282.5	2292.6	2292.6	2281.2	2298.9	2317.9
5°	2276.2	2274.9	2285.0	2285.0	2274.9	2292.6	2312.8
7.5°	2261.0	2262.3	2272.4	2274.9	2262.3	2278.7	2300.2
10°	2244.6	2243.3	2254.7	2257.2	2247.1	2262.3	2282.5
12.5°	2218.0	2218.0	2229.4	2233.2	2223.1	2240.8	2259.7
15°	2190.2	2190.2	2197.8	2204.1	2195.2	2211.7	2230.6
17.5°	2154.8	2153.5	2161.1	2168.7	2159.8	2177.5	2197.8
20°	2109.3	2109.3	2118.1	2127.0	2120.6	2137.1	2159.8
22.5°	2061.2	2056.1	2071.3	2077.6	2073.8	2090.3	2113.0
25°	2000.5	1999.2	2014.4	2023.3	2018.2	2035.9	2056.1
27.5°	1934.7	1933.5	1948.7	1960.0	1957.5	1973.9	1996.7
30°	1855.1	1861.4	1875.3	1894.3	1888.0	1905.7	1929.7
32.5°	1771.6	1777.9	1794.4	1814.6	1815.9	1829.8	1853.8
35°	1671.7	1688.2	1699.5	1726.1	1731.2	1745.1	1770.4
37.5°	1566.8	1585.7	1609.8	1630.0	1640.1	1651.5	1680.6
40°	1449.2	1477.0	1503.5	1527.6	1540.2	1551.6	1579.4
42.5°	1342.9	1364.4	1389.7	1413.8	1436.5	1446.6	1475.7
45°	1222.8	1248.1	1270.9	1299.9	1322.7	1334.1	1363.2
47.5°	1105.2	1130.5	1160.8	1181.1	1205.1	1216.5	1244.3
50°	992.7	1015.4	1040.7	1064.7	1085.0	1095.1	1119.1
52.5°	881.4	905.4	929.4	944.6	966.1	973.7	993.9
55°	782.8	799.2	820.7	829.5	851.0	856.1	870.0
57.5°	687.9	699.3	706.9	722.1	737.2	748.6	765.0
60°	601.9	607.0	612.0	620.9	633.5	637.3	643.7
62.5°	524.8	523.5	533.6	536.2	537.4	550.1	543.8
65°	456.5	457.8	448.9	445.1	450.2	454.0	451.4
67.5°	399.6	392.0	384.4	375.6	368.0	371.8	368.0
70°	344.0	337.6	325.0	312.3	307.3	299.7	295.9
72.5°	299.7	284.5	271.9	255.4	246.6	237.7	231.4
75°	265.6	244.1	226.4	208.6	196.0	183.4	180.8
77.5°	230.1	209.9	189.7	170.7	151.7	137.8	132.8
80°	202.3	183.4	159.3	136.6	116.3	98.6	92.3
82.5°	177.0	156.8	132.8	108.8	86.0	67.0	59.4
85°	155.5	134.0	110.0	86.0	63.2	43.0	32.9
87.5°	139.1	115.1	91.0	68.3	44.3	24.0	12.6
90°	123.9	101.2	78.4	54.4	31.6	12.6	0.0
92.5°	110.0	88.5	65.8	44.3	24.0	7.6	1.3
95°	97.4	78.4	55.6	35.4	17.7	5.1	1.3
97.5°	87.3	68.3	48.1	29.1	13.9	3.8	1.3
100°	78.4	59.4	41.7	24.0	11.4	2.5	1.3
102.5°	69.5	53.1	35.4	20.2	8.9	1.3	1.3
105°	62.0	46.8	30.3	17.7	7.6	1.3	1.3
107.5°	55.6	41.7	26.6	15.2	5.1	1.3	1.3
110°	49.3	35.4	22.8	12.6	3.8	1.3	1.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-68SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	44.3	31.6	20.2	10.1	2.5	1.3	1.3
115°	39.2	27.8	17.7	8.9	2.5	1.3	1.3
117.5°	34.1	24.0	15.2	6.3	1.3	1.3	1.3
120°	30.3	21.5	12.6	5.1	1.3	1.3	1.3
122.5°	26.6	17.7	10.1	3.8	1.3	1.3	1.3
125°	22.8	15.2	8.9	2.5	1.3	1.3	1.3
127.5°	19.0	12.6	6.3	2.5	1.3	1.3	1.3
130°	16.4	10.1	5.1	1.3	1.3	1.3	1.3
132.5°	13.9	7.6	3.8	1.3	1.3	1.3	1.3
135°	11.4	6.3	2.5	1.3	1.3	1.3	1.3
137.5°	8.9	5.1	2.5	1.3	1.3	1.3	1.3
140°	6.3	3.8	1.3	1.3	1.3	1.3	1.3
142.5°	5.1	2.5	1.3	1.3	1.3	1.3	1.3
145°	3.8	2.5	1.3	1.3	1.3	1.3	1.3
147.5°	2.5	2.5	2.5	2.5	1.3	1.3	1.3
150°	2.5	2.5	1.3	1.3	2.5	1.3	1.3
152.5°	2.5	1.3	1.3	1.3	2.5	1.3	1.3
155°	2.5	2.5	2.5	2.5	2.5	2.5	1.3
157.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
160°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
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)