

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-LD5-134SL-LC-UNV-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33518)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-134SL-LC-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR LENSED
Light Source: -
Ballast/Driver: -

Summary

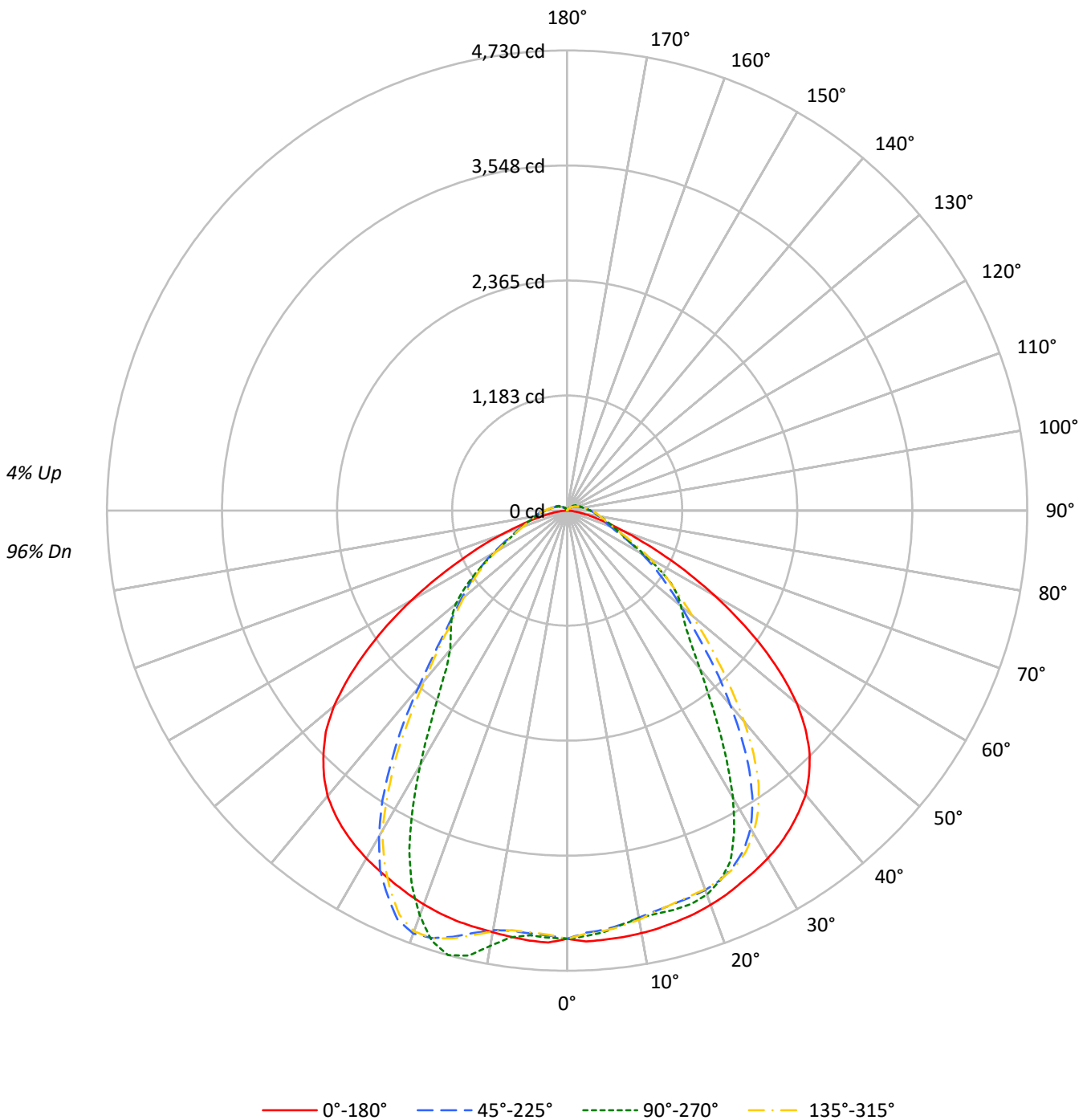
Lumens per Lamp: N/A
Luminaire Lumens: 10491.0 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 110
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	115	115	115	115	109	109	109	103	103	103	98	98	98	96				
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	84	82				
2	100	93	86	81	97	90	85	80	86	82	77	82	79	75	79	76	73	71				
3	92	83	75	69	89	81	74	68	77	71	67	74	69	65	71	67	63	61				
4	85	74	66	60	83	73	65	59	70	63	58	67	61	57	64	60	56	54				
5	79	67	59	52	76	66	58	52	63	56	51	61	55	50	59	53	49	47				
6	73	61	52	46	71	60	52	46	57	51	45	55	49	45	54	48	44	42				
7	68	55	47	42	66	54	47	41	53	46	41	51	45	40	49	44	40	38				
8	64	51	43	37	62	50	42	37	48	42	37	47	41	36	45	40	36	34				
9	60	47	39	34	58	46	39	34	45	38	33	43	37	33	42	37	33	31				
10	56	43	36	31	54	43	36	31	42	35	30	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17781	17781	17781	17781
5°	17935	17076	17972	17210
10°	18043	16366	18006	17477
15°	18209	16147	18199	17979
20°	18436	15891	18417	16751
25°	18693	15075	18682	14567
30°	19077	13066	19087	11575
35°	19486	10566	19542	8941
40°	19858	8507	19941	7495
45°	19836	7206	19938	7017
50°	19035	6634	19302	6486
55°	16948	5963	17371	5421
60°	13807	4564	14540	4186
65°	10325	3492	11124	3311
70°	7081	3014	7982	2882
75°	4694	2719	5465	2572
80°	3110	2536	3644	2333
85°	1699	2530	2234	2311



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	418.0	4.0
10°-20°	1243.7	11.9
20°-30°	1890.8	18.0
30°-40°	2028.4	19.3
40°-50°	1760.5	16.8
50°-60°	1304.7	12.4
60°-70°	747.5	7.1
70°-80°	413.9	3.9
80°-90°	252.1	2.4
90°-100°	163.9	1.6
100°-110°	109.8	1.0
110°-120°	74.1	0.7
120°-130°	45.5	0.4
130°-140°	23.9	0.2
140°-150°	10.9	0.1
150°-160°	3.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3552.6	33.9
0°-40°	5581.0	53.2
0°-60°	8646.1	82.4
0°-90°	10059.7	95.9
90°-120°	347.8	3.3
90°-150°	428.1	4.1
90°-180°	431.0	4.1
0°-180°	10491.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4401	4401	4401	4401	4401	
5°	4428	4348	4437	4382	4428	422
15°	4371	4248	4369	4730	4371	1237
25°	4223	3973	4221	3839	4223	1952
35°	3994	2705	4005	2289	3994	2500
45°	3526	1734	3544	1689	3526	2699
55°	2460	1300	2521	1182	2460	2181
65°	1116	659	1202	625	1116	1125
75°	318	418	370	396	318	363
85°	43	289	57	264	43	57
90°	0	241	4	223	0	2
95°	2	198	0	189	2	2
105°	2	148	2	141	2	2
115°	2	120	2	109	2	2
125°	2	91	2	75	2	2
135°	2	57	2	48	2	2
145°	2	34	4	27	2	2
155°	4	16	4	14	4	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-LD5-134SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7
2.5°	4432.5	4421.2	4416.6	4407.5	4414.3	4441.6	4423.4	4393.9	4396.2	4343.9	4371.2
5°	4428.0	4414.3	4407.5	4398.4	4403.0	4428.0	4409.8	4380.3	4378.0	4325.7	4350.7
7.5°	4421.2	4407.5	4396.2	4389.3	4391.6	4412.1	4389.3	4355.2	4348.4	4291.6	4314.3
10°	4409.8	4400.7	4384.8	4373.4	4371.2	4393.9	4357.5	4323.4	4307.5	4248.4	4271.1
12.5°	4393.9	4380.3	4364.3	4343.9	4341.6	4355.2	4325.7	4278.0	4262.0	4214.3	4239.3
15°	4371.2	4355.2	4337.1	4314.3	4303.0	4312.1	4275.7	4232.5	4230.2	4189.3	4223.4
17.5°	4346.2	4323.4	4303.0	4271.1	4255.2	4262.0	4232.5	4193.9	4198.4	4173.4	4212.0
20°	4312.1	4287.1	4255.2	4223.4	4200.7	4212.0	4191.6	4162.0	4168.9	4150.7	4184.8
22.5°	4273.4	4239.3	4200.7	4164.3	4146.1	4162.0	4146.1	4121.1	4123.4	4112.0	4132.5
25°	4223.4	4184.8	4139.3	4093.8	4084.7	4096.1	4087.0	4066.6	4057.5	4039.3	4048.4
27.5°	4177.9	4134.8	4077.9	4030.2	4014.3	4037.0	4016.6	3982.5	3957.5	3932.5	3914.3
30°	4125.7	4073.4	4009.7	3955.2	3941.5	3950.6	3921.1	3868.8	3802.9	3771.1	3721.1
32.5°	4068.8	4000.6	3921.1	3859.7	3850.6	3843.8	3789.2	3714.2	3611.9	3548.3	3471.0
35°	3993.8	3918.8	3823.3	3748.3	3734.7	3696.0	3607.4	3507.4	3375.5	3266.4	3134.6
37.5°	3909.7	3821.1	3721.1	3621.0	3582.4	3505.1	3380.1	3275.5	3075.5	2943.7	2784.5
40°	3814.3	3707.4	3584.7	3464.2	3400.5	3275.5	3132.3	2977.8	2784.5	2607.2	2473.1
42.5°	3682.4	3568.8	3423.3	3289.2	3180.1	3014.1	2845.9	2627.7	2450.4	2300.4	2164.0
45°	3525.6	3389.2	3221.0	3059.6	2920.9	2723.2	2525.4	2307.2	2159.4	1984.4	1891.2
47.5°	3323.3	3175.5	2995.9	2816.4	2634.5	2416.3	2209.4	2000.3	1852.6	1727.6	1659.4
50°	3084.6	2948.2	2750.4	2536.8	2336.7	2109.4	1902.6	1745.7	1602.5	1525.2	1473.0
52.5°	2789.1	2661.8	2459.5	2227.6	2034.4	1811.7	1623.0	1495.7	1393.4	1336.6	1318.4
55°	2459.5	2348.1	2148.1	1932.1	1734.4	1529.8	1386.6	1275.2	1209.3	1175.2	1177.5
57.5°	2107.2	2020.8	1832.1	1638.9	1452.5	1297.9	1168.4	1079.7	1029.7	1027.4	1034.3
60°	1754.8	1691.2	1527.5	1361.6	1197.9	1072.9	977.4	916.1	884.2	886.5	884.2
62.5°	1418.4	1359.3	1241.1	1104.7	975.2	891.1	804.7	779.7	752.4	750.1	750.1
65°	1116.1	1070.6	975.2	877.4	779.7	725.1	681.9	652.4	631.9	627.4	629.6
67.5°	838.8	820.6	754.7	688.7	627.4	593.3	556.9	550.1	534.2	534.2	538.7
70°	625.1	611.5	575.1	536.4	511.4	488.7	470.5	470.5	468.3	466.0	477.3
72.5°	452.3	454.6	443.3	413.7	411.4	406.9	402.3	409.2	411.4	418.2	431.9
75°	318.2	325.1	325.1	320.5	329.6	341.0	347.8	359.1	372.8	381.9	397.8
77.5°	225.0	225.0	236.4	250.0	268.2	288.7	306.9	322.8	341.0	352.3	366.0
80°	145.5	152.3	170.5	195.5	220.5	247.8	272.8	293.2	311.4	329.6	338.7
82.5°	86.4	97.7	120.5	152.3	184.1	218.2	243.2	268.2	288.7	306.9	313.7
85°	43.2	59.1	86.4	120.5	154.6	190.9	222.8	245.5	268.2	284.1	293.2
87.5°	13.6	31.8	61.4	93.2	129.6	165.9	200.0	225.0	245.5	259.1	268.2
90°	0.0	15.9	43.2	77.3	111.4	147.8	179.6	206.9	227.3	238.7	245.5
92.5°	0.0	9.1	34.1	63.6	95.5	131.8	163.7	188.7	206.9	218.2	222.8
95°	2.3	6.8	25.0	52.3	84.1	118.2	147.8	170.5	188.7	200.0	202.3
97.5°	2.3	4.5	20.5	43.2	72.7	104.6	134.1	156.8	170.5	181.8	184.1
100°	2.3	4.5	15.9	38.6	63.6	93.2	120.5	140.9	156.8	165.9	168.2
102.5°	2.3	2.3	13.6	31.8	56.8	81.8	106.8	127.3	140.9	150.0	154.6
105°	2.3	2.3	11.4	27.3	50.0	72.7	95.5	115.9	127.3	136.4	140.9
107.5°	2.3	2.3	9.1	22.7	43.2	63.6	86.4	102.3	115.9	125.0	129.6
110°	2.3	2.3	6.8	20.5	36.4	56.8	75.0	90.9	104.6	113.7	118.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	2.3	2.3	6.8	18.2	31.8	50.0	65.9	81.8	93.2	102.3	109.1
115°	2.3	2.3	6.8	15.9	29.6	43.2	59.1	72.7	84.1	93.2	100.0
117.5°	2.3	2.3	6.8	13.6	25.0	38.6	52.3	65.9	75.0	84.1	90.9
120°	2.3	2.3	4.5	11.4	22.7	34.1	45.5	56.8	68.2	77.3	84.1
122.5°	2.3	2.3	4.5	11.4	18.2	29.6	40.9	50.0	61.4	68.2	75.0
125°	2.3	2.3	4.5	9.1	15.9	27.3	36.4	45.5	52.3	61.4	68.2
127.5°	2.3	2.3	4.5	9.1	13.6	22.7	31.8	40.9	47.7	54.6	59.1
130°	2.3	2.3	4.5	6.8	11.4	18.2	27.3	34.1	43.2	47.7	52.3
132.5°	2.3	2.3	2.3	6.8	9.1	13.6	20.5	29.6	36.4	43.2	45.5
135°	2.3	2.3	2.3	4.5	9.1	11.4	15.9	22.7	29.6	36.4	40.9
137.5°	2.3	2.3	2.3	4.5	6.8	11.4	13.6	18.2	25.0	29.6	36.4
140°	2.3	2.3	2.3	4.5	6.8	9.1	11.4	15.9	20.5	25.0	29.6
142.5°	2.3	2.3	2.3	4.5	4.5	6.8	9.1	13.6	15.9	20.5	25.0
145°	2.3	2.3	2.3	4.5	4.5	6.8	9.1	11.4	13.6	15.9	20.5
147.5°	2.3	2.3	2.3	4.5	4.5	4.5	6.8	9.1	11.4	13.6	15.9
150°	4.5	4.5	4.5	4.5	4.5	4.5	6.8	6.8	9.1	11.4	13.6
152.5°	4.5	4.5	4.5	4.5	4.5	4.5	6.8	6.8	6.8	9.1	11.4
155°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	6.8	6.8	9.1	9.1
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7
2.5°	4362.1	4366.6	4393.9	4391.6	4387.1	4382.5	4382.5	4378.0	4382.5	4393.9	4389.3
5°	4339.3	4346.2	4366.6	4364.3	4359.8	4357.5	4355.2	4348.4	4353.0	4368.9	4364.3
7.5°	4298.4	4305.2	4323.4	4314.3	4307.5	4312.1	4300.7	4293.9	4303.0	4318.9	4316.6
10°	4255.2	4259.8	4282.5	4278.0	4266.6	4268.9	4257.5	4253.0	4264.3	4273.4	4275.7
12.5°	4225.7	4241.6	4262.0	4259.8	4257.5	4259.8	4248.4	4243.9	4250.7	4259.8	4257.5
15°	4218.9	4239.3	4262.0	4262.0	4264.3	4266.6	4255.2	4248.4	4255.2	4262.0	4259.8
17.5°	4212.0	4237.0	4257.5	4255.2	4257.5	4262.0	4243.9	4239.3	4248.4	4257.5	4253.0
20°	4189.3	4212.0	4225.7	4221.1	4221.1	4223.4	4200.7	4200.7	4214.3	4221.1	4223.4
22.5°	4125.7	4152.9	4152.9	4141.6	4141.6	4132.5	4125.7	4112.0	4127.9	4139.3	4148.4
25°	4030.2	4041.6	4027.9	4002.9	3989.3	3977.9	3946.1	3973.4	3973.4	4007.5	4018.8
27.5°	3896.1	3871.1	3832.4	3780.2	3768.8	3732.4	3712.0	3718.8	3730.1	3777.9	3814.3
30°	3675.6	3600.6	3534.7	3511.9	3461.9	3425.6	3389.2	3407.4	3427.8	3455.1	3530.1
32.5°	3384.6	3311.9	3205.1	3166.4	3114.1	3068.7	3025.5	3052.8	3089.1	3107.3	3189.1
35°	3050.5	2964.1	2866.4	2800.5	2745.9	2720.9	2666.3	2705.0	2743.6	2757.3	2827.7
37.5°	2695.9	2607.2	2520.9	2464.0	2411.8	2395.8	2359.5	2386.7	2416.3	2436.8	2495.9
40°	2359.5	2277.6	2211.7	2173.1	2136.7	2123.1	2109.4	2120.8	2143.5	2159.4	2204.9
42.5°	2070.8	2004.9	1959.4	1936.7	1911.7	1893.5	1895.8	1900.3	1911.7	1945.8	1966.2
45°	1818.5	1779.8	1750.3	1745.7	1729.8	1727.6	1725.3	1734.4	1741.2	1761.6	1777.6
47.5°	1616.2	1600.3	1593.4	1602.5	1609.3	1600.3	1604.8	1616.2	1629.8	1629.8	1627.5
50°	1457.1	1461.6	1470.7	1491.1	1504.8	1509.3	1513.9	1527.5	1529.8	1534.3	1527.5
52.5°	1327.5	1332.0	1357.0	1388.9	1404.8	1411.6	1420.7	1434.3	1434.3	1438.9	1429.8
55°	1195.6	1202.5	1227.5	1259.3	1272.9	1282.0	1291.1	1300.2	1307.0	1316.1	1309.3
57.5°	1050.2	1070.6	1086.5	1095.6	1104.7	1111.5	1118.4	1120.6	1134.3	1136.5	1147.9
60°	895.6	900.1	916.1	913.8	907.0	925.1	916.1	932.0	947.9	968.3	970.6
62.5°	747.8	750.1	761.5	756.9	766.0	763.8	770.6	770.6	781.9	791.0	802.4
65°	631.9	634.2	643.3	643.3	641.0	647.8	654.7	659.2	659.2	666.0	675.1
67.5°	545.5	552.4	561.5	566.0	570.5	570.5	577.4	579.6	584.2	586.5	591.0
70°	486.4	495.5	504.6	509.2	511.4	516.0	518.3	518.3	522.8	525.1	529.6
72.5°	443.3	452.3	459.2	459.2	463.7	466.0	466.0	468.3	470.5	475.1	479.6
75°	406.9	413.7	418.2	416.0	416.0	416.0	418.2	418.2	422.8	427.3	431.9
77.5°	372.8	379.6	379.6	375.1	375.1	375.1	375.1	377.3	379.6	384.2	388.7
80°	347.8	347.8	345.5	345.5	341.0	338.7	338.7	341.0	341.0	345.5	352.3
82.5°	320.5	320.5	318.2	316.0	313.7	311.4	311.4	313.7	316.0	318.2	322.8
85°	295.5	295.5	291.0	291.0	288.7	288.7	288.7	288.7	291.0	293.2	297.8
87.5°	270.5	268.2	266.0	263.7	263.7	263.7	263.7	263.7	266.0	270.5	272.8
90°	245.5	243.2	240.9	240.9	238.7	238.7	240.9	240.9	243.2	245.5	247.8
92.5°	222.8	220.5	218.2	218.2	215.9	215.9	218.2	215.9	220.5	220.5	222.8
95°	202.3	200.0	197.8	197.8	197.8	197.8	197.8	197.8	200.0	200.0	202.3
97.5°	184.1	181.8	179.6	179.6	181.8	179.6	181.8	181.8	181.8	184.1	186.4
100°	168.2	165.9	165.9	168.2	165.9	165.9	168.2	168.2	168.2	168.2	170.5
102.5°	154.6	154.6	154.6	154.6	154.6	154.6	156.8	156.8	156.8	156.8	159.1
105°	140.9	143.2	143.2	143.2	145.5	145.5	145.5	147.8	147.8	147.8	147.8
107.5°	131.8	134.1	134.1	136.4	136.4	138.7	138.7	138.7	138.7	140.9	140.9
110°	122.7	125.0	127.3	129.6	129.6	131.8	131.8	131.8	131.8	131.8	131.8



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	113.7	115.9	118.2	122.7	125.0	125.0	125.0	125.0	127.3	127.3	125.0
115°	104.6	109.1	111.4	115.9	118.2	118.2	120.5	120.5	120.5	120.5	118.2
117.5°	95.5	102.3	104.6	109.1	111.4	111.4	113.7	113.7	113.7	113.7	111.4
120°	88.7	93.2	97.7	100.0	102.3	104.6	104.6	106.8	106.8	106.8	104.6
122.5°	81.8	86.4	90.9	93.2	95.5	97.7	97.7	97.7	97.7	97.7	97.7
125°	72.7	77.3	81.8	84.1	86.4	88.7	88.7	90.9	90.9	90.9	88.7
127.5°	65.9	70.5	72.7	77.3	79.6	79.6	81.8	81.8	81.8	81.8	79.6
130°	56.8	61.4	65.9	68.2	70.5	70.5	72.7	72.7	72.7	72.7	72.7
132.5°	50.0	54.6	56.8	61.4	61.4	63.6	63.6	65.9	65.9	65.9	63.6
135°	45.5	47.7	50.0	54.6	54.6	56.8	56.8	56.8	56.8	56.8	56.8
137.5°	40.9	43.2	45.5	47.7	47.7	50.0	50.0	50.0	50.0	52.3	50.0
140°	34.1	38.6	40.9	40.9	43.2	43.2	43.2	45.5	45.5	45.5	43.2
142.5°	29.6	31.8	34.1	36.4	38.6	38.6	38.6	38.6	40.9	38.6	38.6
145°	22.7	27.3	29.6	31.8	34.1	34.1	34.1	34.1	34.1	34.1	34.1
147.5°	18.2	20.5	25.0	27.3	27.3	29.6	29.6	29.6	29.6	29.6	29.6
150°	15.9	15.9	20.5	22.7	25.0	25.0	25.0	25.0	25.0	25.0	25.0
152.5°	11.4	13.6	15.9	18.2	20.5	20.5	20.5	20.5	20.5	20.5	20.5
155°	11.4	11.4	13.6	13.6	15.9	15.9	15.9	15.9	18.2	15.9	15.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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-LD5-134SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7
2.5°	4382.5	4380.3	4389.3	4380.3	4334.8	4353.0	4346.2	4371.2	4373.4	4380.3	4403.0
5°	4359.8	4359.8	4371.2	4362.1	4318.9	4337.1	4334.8	4359.8	4364.3	4368.9	4393.9
7.5°	4314.3	4316.6	4332.5	4325.7	4280.2	4307.5	4305.2	4334.8	4343.9	4353.0	4375.7
10°	4271.1	4268.9	4287.1	4280.2	4237.0	4268.9	4266.6	4296.1	4309.8	4325.7	4353.0
12.5°	4248.4	4241.6	4248.4	4241.6	4193.9	4218.9	4221.1	4255.2	4271.1	4291.6	4323.4
15°	4248.4	4237.0	4237.0	4223.4	4168.9	4184.8	4187.0	4209.8	4230.2	4250.7	4289.3
17.5°	4243.9	4232.5	4230.2	4218.9	4159.8	4159.8	4157.5	4173.4	4184.8	4205.2	4246.1
20°	4218.9	4214.3	4212.0	4205.2	4150.7	4141.6	4137.0	4137.0	4143.8	4150.7	4191.6
22.5°	4152.9	4157.5	4162.0	4166.6	4123.4	4107.5	4109.8	4105.2	4098.4	4098.4	4132.5
25°	4030.2	4052.9	4071.1	4091.6	4066.6	4055.2	4068.8	4062.0	4050.7	4041.6	4071.1
27.5°	3834.7	3882.4	3921.1	3971.1	3973.4	3964.3	4000.6	3996.1	3993.8	3980.2	4002.9
30°	3564.2	3639.2	3691.5	3764.2	3825.6	3834.7	3896.1	3905.2	3914.3	3907.4	3930.2
32.5°	3236.9	3339.2	3427.8	3541.5	3600.6	3652.9	3739.2	3775.6	3812.0	3823.3	3848.3
35°	2880.0	2995.9	3100.5	3225.5	3318.7	3432.4	3536.9	3591.5	3673.3	3705.1	3741.5
37.5°	2541.3	2650.4	2752.7	2877.7	3027.8	3146.0	3275.5	3398.3	3509.7	3555.1	3609.7
40°	2241.3	2329.9	2427.7	2536.8	2673.2	2827.7	2968.7	3139.1	3271.0	3361.9	3441.5
42.5°	2014.0	2057.1	2141.3	2239.0	2348.1	2504.9	2648.2	2839.1	2998.2	3127.8	3259.6
45°	1811.7	1832.1	1893.5	1945.8	2057.1	2195.8	2348.1	2534.5	2700.4	2866.4	3025.5
47.5°	1638.9	1663.9	1693.5	1725.3	1804.8	1920.8	2052.6	2220.8	2386.7	2580.0	2761.8
50°	1523.0	1529.8	1534.3	1548.0	1595.7	1675.3	1782.1	1925.3	2084.4	2291.3	2484.5
52.5°	1420.7	1420.7	1407.0	1400.2	1418.4	1468.4	1529.8	1632.1	1795.7	1986.7	2191.3
55°	1311.6	1291.1	1286.6	1263.8	1268.4	1291.1	1320.7	1400.2	1534.3	1698.0	1895.8
57.5°	1159.3	1150.2	1150.2	1141.1	1122.9	1134.3	1141.1	1197.9	1293.4	1434.3	1607.1
60°	984.2	979.7	991.1	993.3	977.4	984.2	982.0	1016.1	1084.3	1197.9	1341.1
62.5°	809.2	829.7	832.0	841.0	832.0	829.7	841.0	870.6	904.7	991.1	1102.5
65°	679.7	691.0	693.3	704.7	700.1	700.1	709.2	731.9	752.4	811.5	897.9
67.5°	595.6	591.0	593.3	600.1	593.3	591.0	597.8	611.5	627.4	663.7	725.1
70°	529.6	525.1	525.1	525.1	516.0	509.2	511.4	516.0	522.8	543.3	581.9
72.5°	479.6	479.6	472.8	466.0	459.2	454.6	450.1	445.5	443.3	450.1	470.5
75°	434.2	436.4	434.2	427.3	418.2	409.2	400.1	391.0	379.6	375.1	377.3
77.5°	393.2	395.5	397.8	395.5	386.4	375.1	361.4	347.8	331.9	316.0	306.9
80°	356.9	361.4	363.7	361.4	354.6	345.5	329.6	313.7	291.0	270.5	247.8
82.5°	325.1	331.9	334.1	334.1	329.6	320.5	302.3	284.1	259.1	231.9	202.3
85°	300.0	304.6	309.1	309.1	306.9	297.8	279.6	259.1	234.1	202.3	170.5
87.5°	275.0	277.3	281.9	286.4	281.9	272.8	256.9	234.1	209.1	177.3	140.9
90°	250.0	252.3	256.9	261.4	259.1	250.0	236.4	215.9	188.7	154.6	118.2
92.5°	225.0	229.6	231.9	234.1	236.4	229.6	218.2	197.8	170.5	136.4	102.3
95°	206.9	206.9	211.4	213.7	215.9	209.1	200.0	179.6	154.6	122.7	88.7
97.5°	188.7	188.7	193.2	193.2	195.5	190.9	181.8	163.7	138.7	109.1	75.0
100°	170.5	172.8	175.0	177.3	177.3	175.0	165.9	147.8	125.0	97.7	65.9
102.5°	159.1	159.1	161.4	161.4	163.7	159.1	150.0	134.1	111.4	86.4	56.8
105°	147.8	147.8	150.0	150.0	147.8	143.2	134.1	120.5	100.0	75.0	50.0
107.5°	138.7	138.7	138.7	138.7	136.4	131.8	122.7	106.8	88.7	68.2	45.5
110°	131.8	129.6	129.6	127.3	125.0	118.2	109.1	95.5	79.6	59.1	38.6



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	125.0	122.7	120.5	118.2	113.7	106.8	97.7	86.4	70.5	52.3	34.1
115°	118.2	115.9	113.7	109.1	104.6	97.7	88.7	77.3	61.4	45.5	29.6
117.5°	111.4	109.1	104.6	100.0	95.5	88.7	79.6	68.2	54.6	40.9	27.3
120°	102.3	100.0	97.7	93.2	88.7	79.6	70.5	61.4	47.7	36.4	22.7
122.5°	95.5	93.2	88.7	86.4	79.6	72.7	63.6	54.6	43.2	31.8	20.5
125°	86.4	84.1	81.8	77.3	72.7	63.6	56.8	47.7	38.6	27.3	15.9
127.5°	79.6	77.3	72.7	68.2	63.6	56.8	50.0	43.2	34.1	22.7	15.9
130°	70.5	68.2	65.9	61.4	56.8	50.0	45.5	36.4	29.6	20.5	13.6
132.5°	61.4	61.4	59.1	54.6	50.0	45.5	38.6	31.8	25.0	18.2	11.4
135°	56.8	54.6	52.3	47.7	45.5	38.6	34.1	27.3	20.5	15.9	9.1
137.5°	50.0	47.7	45.5	43.2	38.6	34.1	29.6	22.7	18.2	13.6	9.1
140°	43.2	40.9	40.9	36.4	34.1	29.6	25.0	20.5	15.9	11.4	6.8
142.5°	38.6	36.4	34.1	31.8	29.6	25.0	20.5	15.9	13.6	9.1	6.8
145°	34.1	31.8	29.6	27.3	25.0	20.5	18.2	13.6	11.4	9.1	6.8
147.5°	27.3	27.3	25.0	22.7	20.5	18.2	15.9	13.6	9.1	6.8	4.5
150°	22.7	22.7	20.5	18.2	18.2	15.9	13.6	11.4	9.1	6.8	4.5
152.5°	20.5	18.2	18.2	15.9	15.9	13.6	11.4	9.1	6.8	6.8	4.5
155°	15.9	15.9	15.9	13.6	13.6	11.4	9.1	9.1	6.8	4.5	4.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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-LD5-134SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7
2.5°	4407.5	4380.3	4403.0	4443.9	4439.4	4434.8	4430.3	4439.4	4468.9	4453.0	4428.0
5°	4400.7	4373.4	4398.4	4437.1	4434.8	4428.0	4423.4	4432.5	4462.1	4446.2	4418.9
7.5°	4387.1	4362.1	4380.3	4418.9	4418.9	4414.3	4409.8	4418.9	4446.2	4432.5	4405.3
10°	4364.3	4346.2	4364.3	4400.7	4403.0	4393.9	4389.3	4400.7	4428.0	4421.2	4398.4
12.5°	4346.2	4328.0	4348.4	4384.8	4387.1	4378.0	4371.2	4384.8	4421.2	4425.7	4418.9
15°	4321.2	4305.2	4330.2	4368.9	4368.9	4362.1	4362.1	4380.3	4430.3	4450.7	4462.1
17.5°	4284.8	4273.4	4303.0	4341.6	4343.9	4339.3	4341.6	4378.0	4443.9	4493.9	4525.7
20°	4239.3	4234.8	4266.6	4307.5	4314.3	4316.6	4328.0	4382.5	4473.4	4541.6	4573.5
22.5°	4184.8	4187.0	4223.4	4266.6	4275.7	4282.5	4305.2	4382.5	4496.2	4568.9	4582.6
25°	4123.4	4130.2	4168.9	4221.1	4232.5	4246.1	4284.8	4384.8	4503.0	4550.7	4528.0
27.5°	4057.5	4071.1	4121.1	4175.7	4189.3	4212.0	4262.0	4371.2	4471.2	4473.4	4389.3
30°	3989.3	4005.2	4064.3	4127.9	4150.7	4173.4	4234.8	4339.3	4393.9	4321.2	4173.4
32.5°	3912.0	3934.7	3993.8	4071.1	4098.4	4127.9	4189.3	4278.0	4257.5	4100.7	3889.3
35°	3814.3	3846.1	3914.3	4005.2	4030.2	4068.8	4112.0	4132.5	4041.6	3818.8	3580.1
37.5°	3693.8	3741.5	3821.1	3925.6	3952.9	3977.9	3989.3	3932.5	3750.6	3509.7	3261.9
40°	3555.1	3627.9	3714.2	3830.2	3857.4	3857.4	3816.5	3696.0	3466.5	3150.5	2875.5
42.5°	3386.9	3475.6	3584.7	3700.6	3727.9	3696.0	3598.3	3386.9	3125.5	2773.2	2482.2
45°	3182.3	3300.5	3423.3	3543.8	3557.4	3486.9	3311.9	3043.7	2720.9	2393.6	2116.2
47.5°	2939.1	3093.7	3227.8	3364.2	3346.0	3227.8	2993.7	2689.1	2348.1	2039.0	1816.2
50°	2666.3	2848.2	2998.2	3127.8	3089.1	2925.5	2650.4	2332.2	1993.5	1729.8	1545.7
52.5°	2375.4	2584.5	2734.5	2839.1	2786.8	2591.3	2289.0	1984.4	1707.1	1466.1	1343.4
55°	2073.1	2284.5	2439.0	2520.9	2452.7	2241.3	1943.5	1666.2	1404.8	1247.9	1175.2
57.5°	1779.8	1977.6	2123.1	2189.0	2102.6	1891.2	1616.2	1382.0	1193.4	1061.5	1025.2
60°	1498.0	1659.4	1798.0	1848.0	1754.8	1559.3	1322.9	1136.5	997.9	907.0	888.8
62.5°	1236.6	1368.4	1477.5	1516.2	1425.2	1272.9	1068.4	929.7	832.0	786.5	763.8
65°	1020.6	1097.9	1209.3	1202.5	1147.9	1007.0	857.0	759.2	695.6	666.0	652.4
67.5°	802.4	872.9	943.3	952.4	884.2	786.5	688.7	618.3	584.2	568.3	561.5
70°	620.6	672.8	716.0	704.7	668.3	606.9	545.5	506.9	493.3	486.4	486.4
72.5°	481.9	509.2	529.6	516.0	493.3	461.4	431.9	416.0	418.2	422.8	427.3
75°	372.8	379.6	384.2	370.5	366.0	345.5	343.2	345.5	359.1	372.8	379.6
77.5°	286.4	277.3	270.5	256.9	259.1	256.9	268.2	286.4	306.9	327.3	345.5
80°	220.5	200.0	184.1	170.5	177.3	188.7	211.4	238.7	266.0	288.7	311.4
82.5°	170.5	140.9	118.2	104.6	118.2	136.4	165.9	200.0	231.9	256.9	281.9
85°	131.8	97.7	70.5	56.8	70.5	97.7	129.6	168.2	202.3	229.6	254.6
87.5°	102.3	70.5	38.6	22.7	38.6	68.2	104.6	140.9	175.0	206.9	231.9
90°	81.8	47.7	18.2	4.5	20.5	47.7	81.8	118.2	152.3	186.4	211.4
92.5°	65.9	34.1	9.1	0.0	11.4	36.4	68.2	102.3	136.4	168.2	193.2
95°	54.6	27.3	6.8	0.0	9.1	27.3	54.6	88.7	120.5	152.3	172.8
97.5°	45.5	20.5	4.5	0.0	4.5	22.7	45.5	75.0	106.8	136.4	156.8
100°	38.6	18.2	4.5	0.0	4.5	18.2	38.6	65.9	93.2	120.5	140.9
102.5°	31.8	13.6	2.3	2.3	2.3	13.6	34.1	56.8	81.8	106.8	127.3
105°	29.6	11.4	2.3	2.3	2.3	11.4	29.6	50.0	72.7	95.5	113.7
107.5°	25.0	9.1	2.3	2.3	2.3	9.1	25.0	43.2	65.9	86.4	102.3
110°	20.5	9.1	2.3	2.3	2.3	9.1	20.5	38.6	56.8	75.0	90.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	18.2	6.8	2.3	2.3	2.3	6.8	18.2	34.1	50.0	68.2	81.8
115°	15.9	6.8	2.3	2.3	2.3	6.8	15.9	29.6	43.2	59.1	72.7
117.5°	13.6	6.8	2.3	2.3	2.3	4.5	13.6	25.0	38.6	52.3	65.9
120°	11.4	4.5	2.3	2.3	2.3	4.5	11.4	22.7	34.1	45.5	56.8
122.5°	11.4	4.5	2.3	2.3	2.3	4.5	9.1	18.2	29.6	38.6	50.0
125°	9.1	4.5	2.3	2.3	2.3	2.3	9.1	15.9	25.0	34.1	43.2
127.5°	9.1	4.5	2.3	2.3	2.3	2.3	6.8	13.6	20.5	29.6	38.6
130°	6.8	4.5	2.3	2.3	2.3	2.3	4.5	11.4	18.2	25.0	31.8
132.5°	6.8	4.5	2.3	2.3	2.3	2.3	4.5	9.1	13.6	20.5	27.3
135°	6.8	2.3	2.3	2.3	2.3	2.3	2.3	6.8	11.4	15.9	20.5
137.5°	4.5	2.3	2.3	2.3	2.3	2.3	2.3	4.5	9.1	11.4	18.2
140°	4.5	2.3	2.3	2.3	2.3	2.3	2.3	4.5	6.8	9.1	13.6
142.5°	4.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	6.8	11.4
145°	4.5	2.3	2.3	4.5	4.5	2.3	2.3	4.5	4.5	6.8	9.1
147.5°	4.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	4.5	6.8
150°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	6.8
152.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
155°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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-LD5-134SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7
2.5°	4423.4	4371.2	4398.4	4389.3	4398.4	4421.2	4418.9	4412.1	4416.6	4405.3	4393.9
5°	4414.3	4362.1	4389.3	4378.0	4389.3	4412.1	4407.5	4400.7	4407.5	4393.9	4382.5
7.5°	4403.0	4355.2	4387.1	4384.8	4405.3	4434.8	4437.1	4437.1	4453.0	4432.5	4423.4
10°	4403.0	4378.0	4421.2	4437.1	4489.4	4528.0	4532.5	4541.6	4568.9	4564.4	4541.6
12.5°	4450.7	4446.2	4509.8	4548.5	4596.2	4650.7	4680.3	4689.4	4707.6	4693.9	4684.8
15°	4512.1	4534.8	4605.3	4648.5	4700.8	4741.7	4748.5	4753.0	4766.7	4746.2	4730.3
17.5°	4593.9	4607.6	4664.4	4682.6	4716.7	4723.5	4714.4	4691.7	4691.7	4646.2	4632.6
20°	4632.6	4625.7	4648.5	4618.9	4605.3	4564.4	4525.7	4482.5	4480.3	4432.5	4428.0
22.5°	4598.5	4553.0	4505.3	4432.5	4400.7	4341.6	4289.3	4264.3	4248.4	4187.0	4171.1
25°	4478.0	4366.6	4296.1	4209.8	4132.5	4064.3	4014.3	3962.0	3912.0	3862.0	3839.3
27.5°	4268.9	4164.3	4050.7	3930.2	3823.3	3718.8	3634.7	3582.4	3534.7	3468.7	3434.6
30°	4012.0	3866.5	3741.5	3625.6	3450.6	3323.3	3252.8	3148.2	3111.9	3082.3	3018.7
32.5°	3709.7	3534.7	3364.2	3207.3	3027.8	2909.6	2816.4	2739.1	2716.3	2639.1	2620.9
35°	3375.5	3146.0	2952.7	2798.2	2668.6	2525.4	2448.1	2395.8	2350.4	2298.1	2289.0
37.5°	2982.3	2775.4	2557.2	2420.8	2318.6	2195.8	2136.7	2100.3	2079.9	2041.2	2034.4
40°	2586.8	2379.9	2229.9	2093.5	2029.9	1964.0	1920.8	1904.9	1895.8	1882.1	1868.5
42.5°	2227.6	2045.8	1938.9	1848.0	1820.7	1788.9	1777.6	1786.7	1777.6	1773.0	1770.7
45°	1923.0	1784.4	1709.4	1682.1	1675.3	1666.2	1675.3	1691.2	1693.5	1688.9	1688.9
47.5°	1645.7	1579.8	1548.0	1552.5	1563.9	1570.7	1586.6	1607.1	1611.6	1600.3	1604.8
50°	1463.9	1425.2	1418.4	1436.6	1461.6	1470.7	1488.9	1504.8	1502.5	1498.0	1493.4
52.5°	1293.4	1282.0	1300.2	1318.4	1345.7	1350.2	1357.0	1363.9	1361.6	1352.5	1347.9
55°	1150.2	1159.3	1175.2	1182.0	1202.5	1200.2	1202.5	1202.5	1193.4	1188.8	1182.0
57.5°	1020.6	1022.9	1032.0	1034.3	1045.6	1041.1	1038.8	1034.3	1020.6	1018.3	1011.5
60°	888.8	884.2	904.7	888.8	897.9	888.8	886.5	875.1	861.5	859.2	854.7
62.5°	763.8	754.7	768.3	761.5	766.0	756.9	752.4	738.8	727.4	725.1	722.8
65°	652.4	647.8	661.5	659.2	663.7	652.4	647.8	638.7	629.6	627.4	625.1
67.5°	559.2	570.5	577.4	577.4	581.9	579.6	568.3	566.0	563.7	554.6	554.6
70°	491.0	497.8	511.4	513.7	511.4	516.0	506.9	504.6	502.4	497.8	495.5
72.5°	436.4	445.5	459.2	461.4	459.2	459.2	454.6	452.3	452.3	445.5	445.5
75°	393.2	404.6	416.0	416.0	416.0	411.4	406.9	406.9	402.3	400.1	395.5
77.5°	356.9	370.5	379.6	377.3	375.1	370.5	370.5	363.7	356.9	356.9	352.3
80°	329.6	338.7	345.5	343.2	341.0	334.1	331.9	325.1	320.5	313.7	313.7
82.5°	300.0	311.4	316.0	313.7	309.1	302.3	300.0	295.5	291.0	288.7	284.1
85°	275.0	286.4	288.7	284.1	279.6	275.0	272.8	270.5	268.2	263.7	263.7
87.5°	250.0	261.4	261.4	259.1	254.6	252.3	250.0	247.8	245.5	243.2	240.9
90°	229.6	238.7	238.7	236.4	234.1	231.9	229.6	227.3	225.0	222.8	222.8
92.5°	209.1	218.2	218.2	215.9	213.7	211.4	211.4	209.1	206.9	204.6	202.3
95°	190.9	200.0	200.0	200.0	197.8	195.5	195.5	193.2	190.9	190.9	188.7
97.5°	172.8	181.8	181.8	181.8	179.6	177.3	177.3	175.0	175.0	175.0	172.8
100°	156.8	163.7	165.9	165.9	163.7	163.7	163.7	161.4	161.4	161.4	159.1
102.5°	140.9	147.8	152.3	152.3	152.3	150.0	150.0	150.0	150.0	150.0	147.8
105°	127.3	134.1	138.7	140.9	140.9	140.9	140.9	140.9	140.9	140.9	140.9
107.5°	115.9	122.7	127.3	129.6	131.8	131.8	134.1	134.1	134.1	134.1	134.1
110°	104.6	111.4	118.2	120.5	122.7	125.0	125.0	127.3	125.0	125.0	125.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	93.2	102.3	106.8	111.4	113.7	115.9	118.2	118.2	118.2	118.2	118.2
115°	84.1	93.2	97.7	102.3	106.8	109.1	109.1	111.4	111.4	111.4	109.1
117.5°	75.0	84.1	88.7	93.2	95.5	100.0	102.3	102.3	102.3	102.3	100.0
120°	68.2	75.0	79.6	84.1	88.7	90.9	93.2	93.2	93.2	93.2	93.2
122.5°	59.1	65.9	72.7	77.3	79.6	81.8	84.1	84.1	84.1	84.1	84.1
125°	52.3	59.1	63.6	68.2	70.5	75.0	75.0	75.0	75.0	75.0	75.0
127.5°	45.5	52.3	56.8	61.4	63.6	65.9	68.2	68.2	68.2	68.2	68.2
130°	38.6	45.5	50.0	54.6	56.8	59.1	59.1	61.4	61.4	61.4	61.4
132.5°	34.1	38.6	43.2	47.7	50.0	52.3	52.3	54.6	54.6	54.6	54.6
135°	27.3	34.1	36.4	40.9	43.2	45.5	45.5	47.7	47.7	47.7	47.7
137.5°	22.7	27.3	31.8	36.4	38.6	38.6	40.9	40.9	43.2	43.2	43.2
140°	18.2	20.5	27.3	29.6	31.8	34.1	36.4	36.4	36.4	36.4	36.4
142.5°	13.6	18.2	20.5	25.0	27.3	29.6	31.8	31.8	31.8	31.8	31.8
145°	11.4	13.6	15.9	20.5	22.7	25.0	27.3	27.3	27.3	27.3	27.3
147.5°	9.1	11.4	13.6	15.9	18.2	20.5	22.7	22.7	22.7	22.7	22.7
150°	6.8	9.1	11.4	11.4	13.6	15.9	18.2	20.5	20.5	20.5	20.5
152.5°	6.8	6.8	9.1	9.1	11.4	13.6	15.9	15.9	15.9	15.9	15.9
155°	4.5	6.8	6.8	6.8	9.1	9.1	11.4	13.6	13.6	13.6	13.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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-LD5-134SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7
2.5°	4400.7	4409.8	4405.3	4398.4	4396.2	4407.5	4396.2	4343.9	4364.3	4366.6	4382.5
5°	4393.9	4400.7	4396.2	4391.6	4384.8	4398.4	4384.8	4330.2	4350.7	4353.0	4368.9
7.5°	4439.4	4441.6	4441.6	4430.3	4412.1	4418.9	4400.7	4339.3	4350.7	4350.7	4362.1
10°	4553.0	4557.6	4564.4	4534.8	4512.1	4493.9	4468.9	4393.9	4391.6	4373.4	4373.4
12.5°	4700.8	4689.4	4678.0	4664.4	4646.2	4623.5	4587.1	4498.5	4468.9	4439.4	4409.8
15°	4743.9	4739.4	4737.1	4730.3	4718.9	4712.1	4684.8	4596.2	4553.0	4516.6	4464.4
17.5°	4630.3	4639.4	4668.9	4671.2	4684.8	4712.1	4707.6	4646.2	4607.6	4591.6	4528.0
20°	4425.7	4428.0	4464.4	4480.3	4539.4	4584.8	4618.9	4612.1	4603.0	4621.2	4573.5
22.5°	4180.2	4196.1	4234.8	4259.8	4316.6	4368.9	4423.4	4453.0	4500.7	4575.7	4566.6
25°	3846.1	3866.5	3921.1	3962.0	4041.6	4121.1	4193.9	4246.1	4303.0	4446.2	4493.9
27.5°	3446.0	3477.8	3548.3	3589.2	3700.6	3782.4	3887.0	3989.3	4068.8	4232.5	4330.2
30°	3025.5	3052.8	3127.8	3184.6	3280.1	3391.5	3523.3	3668.8	3800.6	3966.5	4089.3
32.5°	2632.2	2661.8	2723.2	2773.2	2880.0	2973.2	3118.7	3298.3	3421.0	3650.6	3814.3
35°	2289.0	2316.3	2359.5	2402.7	2491.3	2586.8	2711.8	2886.8	3043.7	3282.3	3489.2
37.5°	2048.1	2052.6	2077.6	2102.6	2168.5	2241.3	2339.0	2493.6	2639.1	2895.9	3123.2
40°	1875.3	1875.3	1888.9	1895.8	1925.3	1968.5	2029.9	2150.3	2270.8	2466.3	2743.6
42.5°	1768.5	1763.9	1763.9	1766.2	1763.9	1784.4	1820.7	1877.6	1984.4	2145.8	2361.7
45°	1688.9	1679.8	1673.0	1657.1	1648.0	1648.0	1650.3	1670.7	1732.1	1836.7	2011.7
47.5°	1600.3	1598.0	1586.6	1568.4	1552.5	1541.2	1523.0	1516.2	1534.3	1593.4	1711.6
50°	1498.0	1486.6	1475.2	1461.6	1443.4	1432.0	1398.0	1400.2	1384.3	1411.6	1473.0
52.5°	1347.9	1338.9	1334.3	1322.9	1316.1	1311.6	1284.3	1257.0	1250.2	1254.7	1277.5
55°	1182.0	1186.6	1168.4	1177.5	1175.2	1154.7	1143.4	1122.9	1116.1	1113.8	1125.2
57.5°	1009.3	1013.8	1002.4	1011.5	1011.5	1000.2	993.3	993.3	977.4	963.8	979.7
60°	852.4	843.3	850.1	861.5	861.5	854.7	850.1	850.1	838.8	834.2	845.6
62.5°	725.1	716.0	722.8	734.2	736.5	731.9	727.4	727.4	713.8	713.8	722.8
65°	627.4	629.6	627.4	636.5	636.5	638.7	634.2	629.6	613.7	620.6	618.3
67.5°	556.9	554.6	554.6	563.7	561.5	566.0	561.5	554.6	543.3	534.2	531.9
70°	497.8	495.5	495.5	500.1	502.4	502.4	500.1	495.5	479.6	470.5	463.7
72.5°	445.5	443.3	445.5	447.8	450.1	452.3	450.1	445.5	431.9	420.5	409.2
75°	397.8	395.5	402.3	402.3	404.6	404.6	406.9	404.6	393.2	379.6	366.0
77.5°	350.1	352.3	359.1	361.4	366.0	368.2	370.5	370.5	359.1	347.8	329.6
80°	311.4	316.0	320.5	322.8	327.3	334.1	336.4	338.7	329.6	318.2	297.8
82.5°	284.1	286.4	291.0	293.2	300.0	302.3	304.6	309.1	304.6	293.2	270.5
85°	261.4	263.7	268.2	268.2	272.8	277.3	279.6	281.9	279.6	268.2	245.5
87.5°	240.9	243.2	245.5	247.8	250.0	252.3	254.6	256.9	254.6	243.2	222.8
90°	222.8	222.8	225.0	225.0	227.3	229.6	234.1	234.1	231.9	222.8	202.3
92.5°	202.3	204.6	204.6	206.9	209.1	211.4	213.7	213.7	211.4	202.3	184.1
95°	188.7	188.7	190.9	190.9	193.2	193.2	195.5	195.5	193.2	184.1	165.9
97.5°	172.8	172.8	172.8	172.8	175.0	175.0	177.3	177.3	175.0	165.9	150.0
100°	159.1	159.1	159.1	159.1	159.1	161.4	161.4	161.4	159.1	150.0	134.1
102.5°	147.8	147.8	147.8	147.8	147.8	147.8	147.8	147.8	143.2	136.4	120.5
105°	140.9	140.9	140.9	138.7	138.7	138.7	136.4	136.4	129.6	122.7	109.1
107.5°	131.8	131.8	131.8	129.6	129.6	127.3	125.0	125.0	118.2	111.4	97.7
110°	125.0	125.0	125.0	122.7	120.5	118.2	115.9	113.7	106.8	97.7	86.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	118.2	118.2	115.9	115.9	113.7	111.4	106.8	104.6	97.7	88.7	77.3
115°	109.1	109.1	109.1	106.8	104.6	102.3	100.0	95.5	88.7	79.6	68.2
117.5°	100.0	100.0	100.0	97.7	95.5	93.2	90.9	86.4	79.6	70.5	61.4
120°	90.9	90.9	90.9	88.7	86.4	84.1	81.8	77.3	70.5	63.6	52.3
122.5°	84.1	84.1	81.8	79.6	77.3	75.0	72.7	68.2	63.6	54.6	45.5
125°	75.0	75.0	72.7	72.7	70.5	68.2	65.9	61.4	54.6	47.7	40.9
127.5°	68.2	65.9	65.9	65.9	63.6	61.4	56.8	54.6	47.7	40.9	34.1
130°	59.1	59.1	59.1	56.8	56.8	54.6	50.0	45.5	40.9	36.4	29.6
132.5°	52.3	52.3	52.3	52.3	50.0	47.7	43.2	40.9	36.4	29.6	25.0
135°	47.7	47.7	45.5	45.5	43.2	40.9	38.6	34.1	29.6	25.0	20.5
137.5°	40.9	40.9	40.9	38.6	38.6	36.4	31.8	29.6	27.3	22.7	18.2
140°	36.4	36.4	34.1	34.1	31.8	31.8	29.6	25.0	22.7	18.2	15.9
142.5°	31.8	31.8	29.6	29.6	27.3	27.3	25.0	22.7	18.2	15.9	11.4
145°	27.3	27.3	25.0	25.0	25.0	22.7	20.5	18.2	15.9	13.6	11.4
147.5°	22.7	22.7	22.7	20.5	20.5	18.2	18.2	15.9	13.6	11.4	9.1
150°	20.5	20.5	18.2	18.2	18.2	15.9	13.6	13.6	11.4	9.1	6.8
152.5°	15.9	15.9	15.9	15.9	13.6	13.6	11.4	11.4	9.1	6.8	6.8
155°	13.6	13.6	13.6	11.4	11.4	11.4	9.1	9.1	6.8	6.8	4.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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-LD5-134SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7
2.5°	4375.7	4373.4	4393.9	4391.6	4364.3	4405.3	4432.5
5°	4364.3	4362.1	4380.3	4384.8	4355.2	4398.4	4428.0
7.5°	4355.2	4353.0	4373.4	4380.3	4350.7	4389.3	4421.2
10°	4357.5	4346.2	4364.3	4368.9	4341.6	4382.5	4409.8
12.5°	4373.4	4346.2	4353.0	4353.0	4328.0	4364.3	4393.9
15°	4412.1	4355.2	4346.2	4339.3	4307.5	4341.6	4371.2
17.5°	4455.3	4378.0	4346.2	4323.4	4284.8	4314.3	4346.2
20°	4498.5	4403.0	4350.7	4314.3	4262.0	4289.3	4312.1
22.5°	4518.9	4425.7	4355.2	4300.7	4234.8	4248.4	4273.4
25°	4491.6	4416.6	4346.2	4280.2	4200.7	4202.9	4223.4
27.5°	4391.6	4371.2	4325.7	4259.8	4173.4	4162.0	4177.9
30°	4221.1	4278.0	4280.2	4232.5	4141.6	4118.8	4125.7
32.5°	3982.5	4109.8	4184.8	4175.7	4096.1	4064.3	4068.8
35°	3707.4	3866.5	4030.2	4084.7	4027.9	4002.9	3993.8
37.5°	3377.8	3591.5	3809.7	3943.8	3934.7	3918.8	3909.7
40°	3014.1	3271.0	3530.1	3743.8	3809.7	3809.7	3814.3
42.5°	2625.4	2925.5	3209.6	3480.1	3634.7	3668.8	3682.4
45°	2250.4	2552.7	2861.8	3173.2	3380.1	3486.9	3525.6
47.5°	1909.4	2214.0	2507.2	2848.2	3123.2	3261.9	3323.3
50°	1618.4	1845.8	2154.9	2493.6	2793.6	2964.1	3084.6
52.5°	1377.5	1554.8	1825.3	2141.3	2443.6	2677.7	2789.1
55°	1175.2	1295.7	1525.2	1798.0	2086.7	2329.9	2459.5
57.5°	1004.7	1100.2	1257.0	1484.3	1727.6	1968.5	2107.2
60°	854.7	920.6	1027.4	1207.0	1413.9	1620.7	1754.8
62.5°	725.1	768.3	838.8	970.6	1132.0	1293.4	1418.4
65°	625.1	643.3	681.9	763.8	886.5	1009.3	1116.1
67.5°	527.4	538.7	568.3	618.3	679.7	768.3	838.8
70°	454.6	454.6	456.9	486.4	518.3	575.1	625.1
72.5°	395.5	388.7	375.1	381.9	388.7	420.5	452.3
75°	347.8	331.9	309.1	300.0	295.5	300.0	318.2
77.5°	306.9	284.1	256.9	234.1	215.9	209.1	225.0
80°	272.8	245.5	213.7	184.1	154.6	138.7	145.5
82.5°	245.5	211.4	177.3	143.2	109.1	86.4	86.4
85°	215.9	184.1	147.8	111.4	77.3	47.7	43.2
87.5°	195.5	161.4	122.7	88.7	54.6	25.0	13.6
90°	175.0	140.9	104.6	70.5	38.6	11.4	0.0
92.5°	156.8	125.0	90.9	56.8	27.3	6.8	0.0
95°	140.9	111.4	77.3	47.7	22.7	4.5	2.3
97.5°	125.0	97.7	68.2	38.6	15.9	4.5	2.3
100°	113.7	86.4	59.1	31.8	13.6	2.3	2.3
102.5°	100.0	77.3	50.0	27.3	11.4	2.3	2.3
105°	88.7	68.2	43.2	22.7	9.1	2.3	2.3
107.5°	79.6	59.1	38.6	20.5	9.1	2.3	2.3
110°	70.5	52.3	34.1	18.2	6.8	2.3	2.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	63.6	45.5	29.6	15.9	4.5	2.3	2.3
115°	54.6	40.9	25.0	13.6	4.5	2.3	2.3
117.5°	47.7	34.1	22.7	11.4	4.5	2.3	2.3
120°	40.9	29.6	18.2	9.1	2.3	2.3	2.3
122.5°	36.4	25.0	15.9	9.1	2.3	2.3	2.3
125°	31.8	22.7	13.6	6.8	2.3	2.3	2.3
127.5°	27.3	18.2	11.4	4.5	2.3	2.3	2.3
130°	22.7	15.9	9.1	4.5	2.3	2.3	2.3
132.5°	18.2	13.6	9.1	4.5	2.3	2.3	2.3
135°	15.9	11.4	6.8	4.5	2.3	2.3	2.3
137.5°	13.6	9.1	4.5	4.5	4.5	2.3	2.3
140°	11.4	6.8	4.5	4.5	4.5	4.5	2.3
142.5°	9.1	6.8	4.5	4.5	4.5	4.5	2.3
145°	6.8	4.5	4.5	4.5	4.5	4.5	2.3
147.5°	6.8	4.5	4.5	4.5	4.5	4.5	2.3
150°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
152.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
155°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)