

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: LUMARK

Report Number: P965152

Luminaire Tested: **NAV-SB3D-750-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P965152
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SB3D-750-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32990.6 lumens
Efficiency: N/A
Efficacy: 151.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 218.1
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: 24 FT



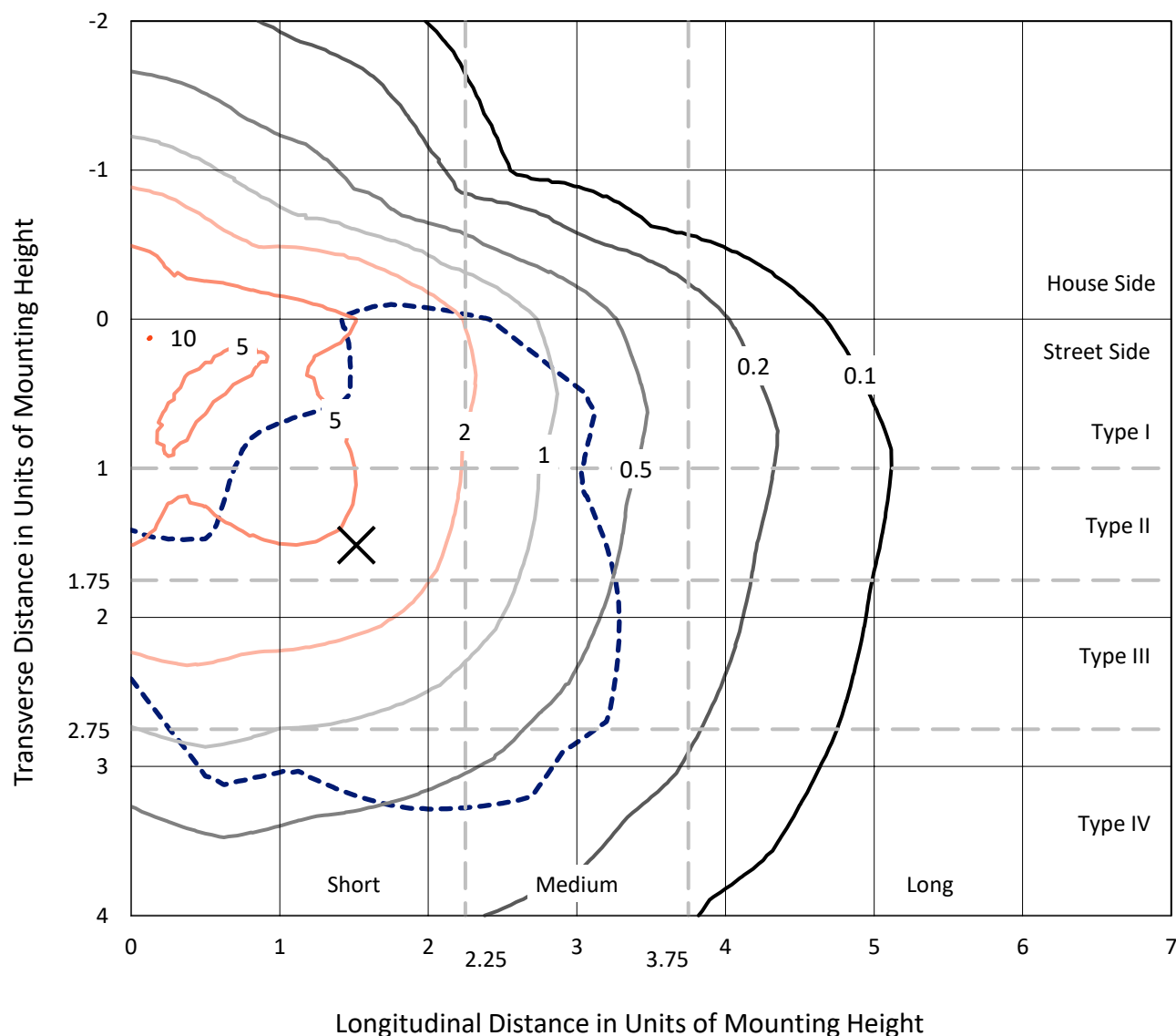
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

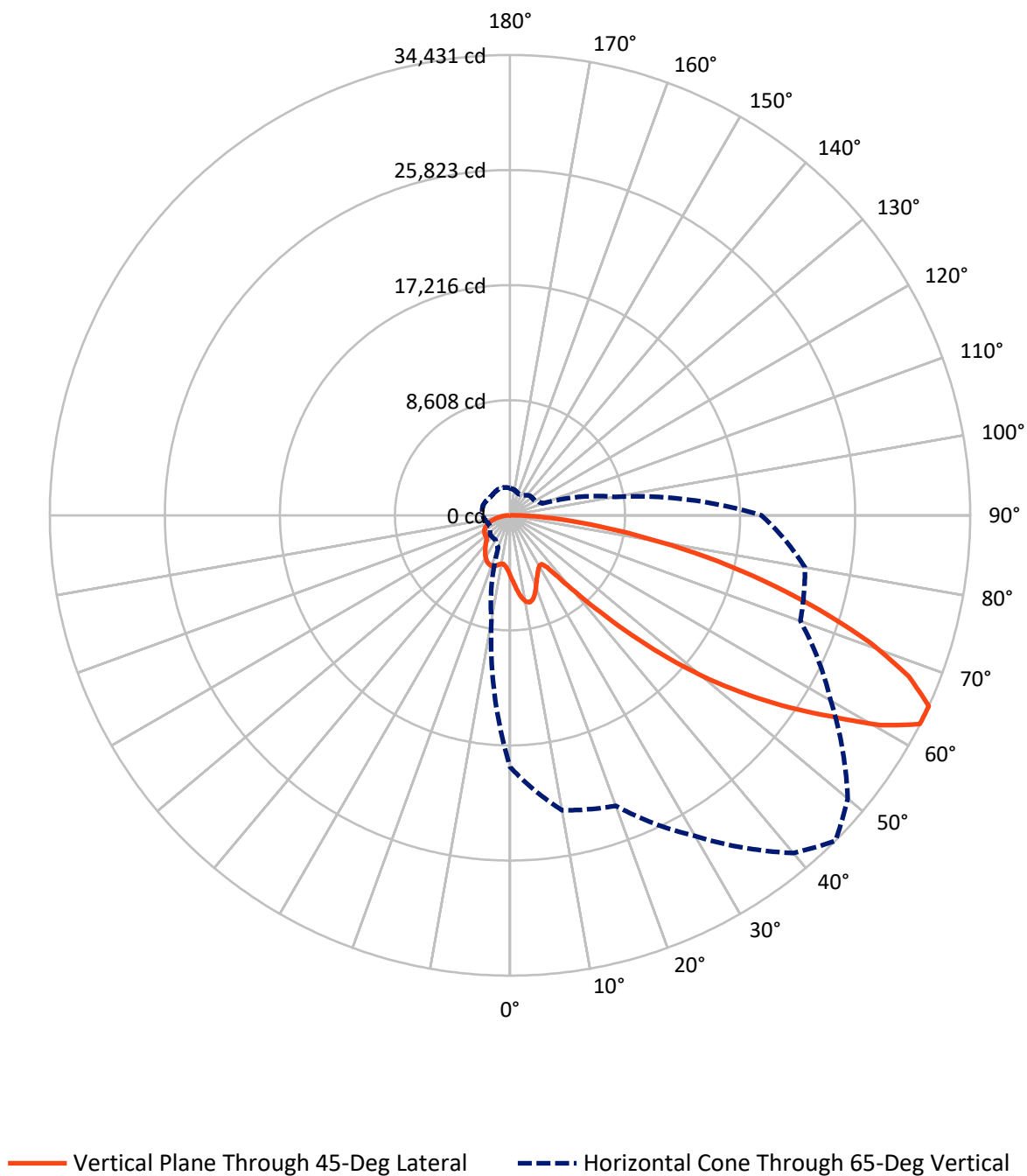


Based on 25 foot mounting height. Maximum calculated value = 10 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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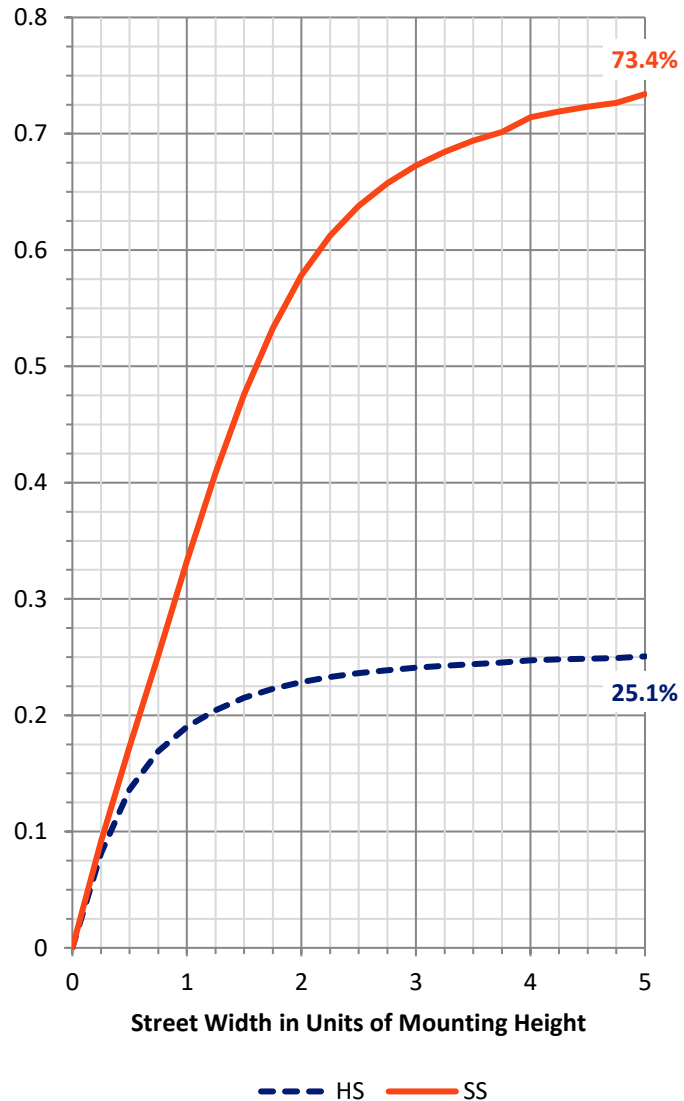
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8384.6	0.0	8384.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	24606.1	0.0	24606.1
	% Fixture	74.6	0.0	74.6
Total	Lumens	32990.6	0.0	32990.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	450.0	1.4
10°-20°	1412.7	4.3
20°-30°	2182.1	6.6
30°-40°	2765.3	8.4
40°-50°	4170.8	12.6
50°-60°	6738.5	20.4
60°-70°	8400.6	25.5
70°-80°	5508.7	16.7
80°-90°	1361.9	4.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	32990.6	100.0
0°-180°	32990.6	100.0

Coefficient of Utilization



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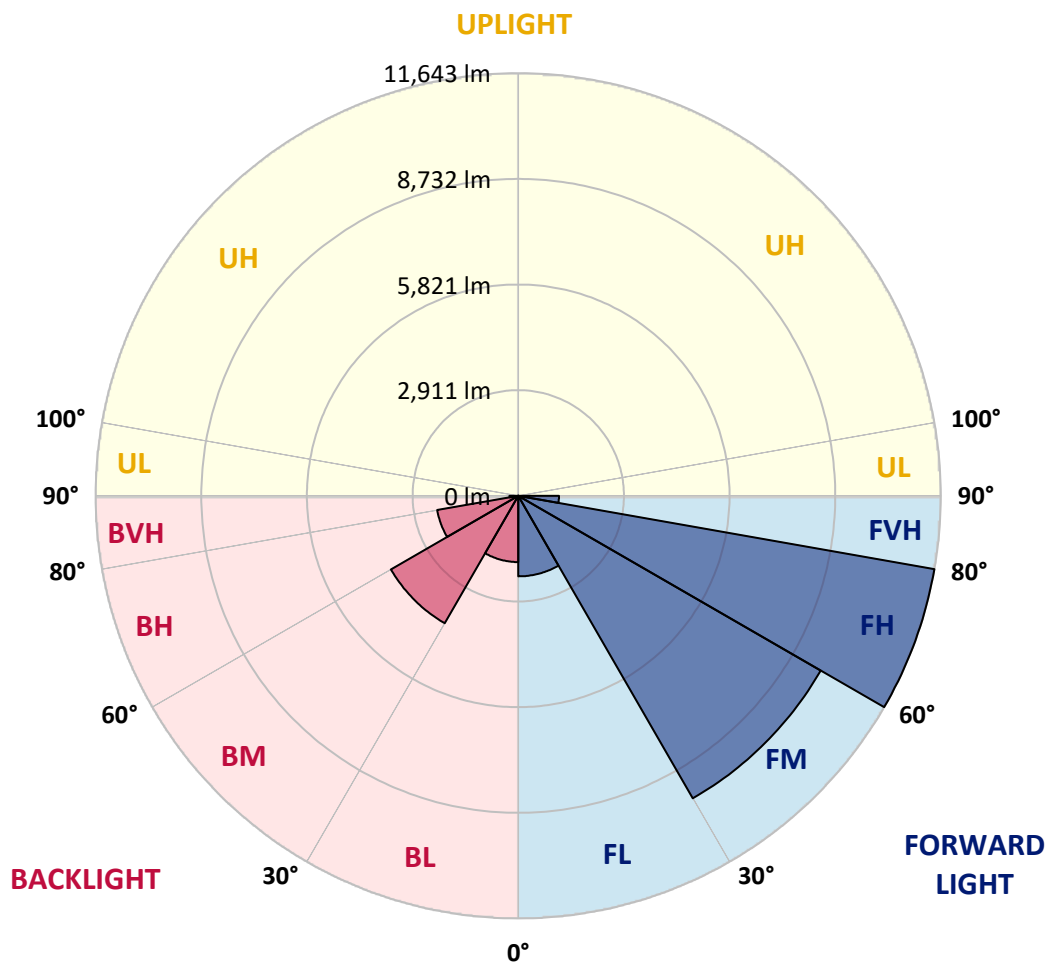
CATALOG NUMBER: NAV-SB3D-750-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2219.0	6.7			
FM	(30°-60°)	9622.7	29.2			
FH	(60°-80°)	11642.5	35.3			G4/12000
FVH	(80°-90°)	1121.9	3.4			G5
BL	(0°-30°)	1825.8	5.5	B3/2500		
BM	(30°-60°)	4051.9	12.3	B3/5000		
BH	(60°-80°)	2266.8	6.9	B3/2500		G3/2500
BVH	(80°-90°)	240.0	0.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5
2.5°	4878.6	4897.0	4915.6	4941.9	4968.2	4983.9	4999.5	5007.4	5015.2	5011.7	5015.2
5°	5245.8	5310.4	5375.2	5439.3	5503.5	5538.3	5573.1	5594.2	5615.5	5631.5	5615.5
7.5°	5615.0	5720.0	5825.1	5919.6	6014.1	6071.0	6128.0	6158.7	6189.4	6204.2	6189.4
10°	5897.7	6022.1	6146.4	6257.3	6368.1	6435.4	6502.2	6532.1	6561.9	6573.2	6561.9
12.5°	6071.0	6205.8	6340.3	6440.6	6540.5	6589.2	6638.0	6654.3	6670.7	6672.4	6670.7
15°	6176.3	6292.6	6408.7	6471.5	6534.6	6536.3	6538.1	6520.6	6503.2	6482.7	6503.2
17.5°	6235.5	6314.0	6392.5	6393.7	6394.8	6324.2	6253.8	6189.2	6124.5	6078.9	6124.5
20°	6300.8	6328.1	6355.6	6272.9	6190.3	6034.6	5879.0	5765.6	5652.4	5582.7	5652.4
22.5°	6376.5	6340.6	6304.8	6133.5	5962.2	5733.3	5504.4	5362.7	5220.9	5144.1	5220.9
25°	6474.0	6360.8	6247.7	5987.6	5727.6	5449.5	5171.5	5022.5	4873.9	4801.1	4873.9
27.5°	6606.3	6404.0	6201.6	5857.1	5512.8	5204.6	4896.5	4750.0	4603.5	4534.8	4603.5
30°	6784.7	6483.0	6181.6	5757.5	5333.4	5012.5	4691.4	4555.5	4419.5	4355.4	4419.5
32.5°	6995.3	6582.2	6169.4	5689.6	5209.9	4908.1	4606.5	4499.8	4392.8	4346.7	4392.8
35°	7251.3	6745.7	6240.4	5740.4	5240.6	5031.0	4821.6	4796.8	4771.9	4768.0	4771.9
37.5°	7682.1	7087.5	6492.8	6038.5	5584.1	5570.6	5556.9	5670.8	5784.7	5843.8	5784.7
40°	8333.1	7686.5	7039.8	6701.9	6364.0	6602.4	6841.0	7117.7	7394.6	7532.4	7394.6
42.5°	9196.6	8555.0	7913.3	7718.7	7524.0	8044.2	8564.4	9067.8	9571.2	9866.8	9571.2
45°	10262.8	9686.5	9109.9	9024.1	8938.1	9771.4	10604.9	11432.1	12259.5	12761.8	12259.5
47.5°	11596.2	11035.6	10474.7	10457.3	10439.8	11642.1	12843.9	14055.0	15265.8	15977.0	15265.8
50°	13344.1	12651.4	11958.9	11961.9	11964.8	13514.1	15063.4	16662.0	18260.6	19227.1	18260.6
52.5°	15350.3	14511.5	13673.0	13588.2	13503.4	15354.0	17204.6	19182.5	21160.2	22318.7	21160.2
55°	17486.2	16657.6	15829.0	15498.4	15167.8	17227.6	19287.1	21645.0	24002.8	25380.7	24002.8
57.5°	19429.0	18977.8	18526.4	17863.3	17200.4	19280.1	21359.9	24030.5	26701.1	28409.7	26701.1
60°	20603.1	21304.0	22005.0	21181.6	20358.1	22326.3	24294.4	27153.9	30013.3	31860.0	30013.3
62.5°	20006.9	21922.0	23837.0	23744.2	23651.3	25454.1	27257.3	29977.8	32698.1	34404.9	32698.1
65°	18813.6	20610.9	22408.3	22763.9	23119.4	25410.7	27702.1	30340.1	32977.8	34431.1	32977.8
67.5°	17214.7	18924.2	20633.6	20800.3	20967.0	23354.2	25741.4	28390.8	31040.1	32178.5	31040.1
70°	15293.7	17153.1	19012.5	19087.0	19161.8	21296.6	23431.4	25711.3	27991.0	28623.8	27991.0
72.5°	13004.6	15138.2	17272.1	17325.8	17379.2	19049.4	20719.8	22427.3	24134.6	24198.7	24134.6
75°	10108.8	12317.1	14525.5	14723.8	14922.1	16221.5	17521.0	18723.1	19925.1	19603.0	19925.1
77.5°	7222.6	9283.9	11345.6	11629.3	11913.1	12901.0	13888.9	14741.3	15594.0	15040.4	15594.0
80°	4727.1	6461.5	8195.6	8548.3	8901.0	9647.1	10392.9	10840.6	11288.1	10397.7	11288.1
82.5°	2747.8	3933.5	5119.4	5513.3	5907.4	6420.9	6934.4	7121.2	7307.8	6608.1	7307.8
85°	1209.0	1838.2	2467.6	2802.7	3137.7	3559.7	3981.5	4087.6	4193.6	3633.0	4193.6
87.5°	374.2	585.8	797.2	984.2	1171.2	1382.2	1593.2	1602.2	1611.1	1352.6	1611.1
90°	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°	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5
2.5°	5007.4	4999.5	4983.9	4968.2	4941.9	4915.6	4897.0	4878.6	4841.2	4803.7	4763.9
5°	5594.2	5573.1	5538.3	5503.5	5439.3	5375.2	5310.4	5245.8	5163.2	5080.5	4998.0
7.5°	6158.7	6128.0	6071.0	6014.1	5919.6	5825.1	5720.0	5615.0	5478.4	5342.1	5216.1
10°	6532.1	6502.2	6435.4	6368.1	6257.3	6146.4	6022.1	5897.7	5725.2	5552.7	5386.2
12.5°	6654.3	6638.0	6589.2	6540.5	6440.6	6340.3	6205.8	6071.0	5881.4	5692.0	5503.3
15°	6520.6	6538.1	6536.3	6534.6	6471.5	6408.7	6292.6	6176.3	5978.7	5781.2	5576.4
17.5°	6189.2	6253.8	6324.2	6394.8	6393.7	6392.5	6314.0	6235.5	6035.1	5834.8	5611.5
20°	5765.6	5879.0	6034.6	6190.3	6272.9	6355.6	6328.1	6300.8	6092.6	5884.2	5638.7
22.5°	5362.7	5504.4	5733.3	5962.2	6133.5	6304.8	6340.6	6376.5	6163.8	5950.8	5675.6
25°	5022.5	5171.5	5449.5	5727.6	5987.6	6247.7	6360.8	6474.0	6265.4	6057.0	5742.6
27.5°	4750.0	4896.5	5204.6	5512.8	5857.1	6201.6	6404.0	6606.3	6407.5	6208.5	5847.0
30°	4555.5	4691.4	5012.5	5333.4	5757.5	6181.6	6483.0	6784.7	6592.6	6400.5	5982.2
32.5°	4499.8	4606.5	4908.1	5209.9	5689.6	6169.4	6582.2	6995.3	6805.1	6615.0	6123.5
35°	4796.8	4821.6	5031.0	5240.6	5740.4	6240.4	6745.7	7251.3	7069.2	6886.9	6284.3
37.5°	5670.8	5556.9	5570.6	5584.1	6038.5	6492.8	7087.5	7682.1	7449.9	7217.6	6464.5
40°	7117.7	6841.0	6602.4	6364.0	6701.9	7039.8	7686.5	8333.1	7994.8	7656.3	6693.1
42.5°	9067.8	8564.4	8044.2	7524.0	7718.7	7913.3	8555.0	9196.6	8708.1	8219.7	6992.4
45°	11432.1	10604.9	9771.4	8938.1	9024.1	9109.9	9686.5	10262.8	9603.9	8945.1	7386.2
47.5°	14055.0	12843.9	11642.1	10439.8	10457.3	10474.7	11035.6	11596.2	10668.9	9741.5	7805.7
50°	16662.0	15063.4	13514.1	11964.8	11961.9	11958.9	12651.4	13344.1	11946.0	10547.8	8195.0
52.5°	19182.5	17204.6	15354.0	13503.4	13588.2	13673.0	14511.5	15350.3	13287.5	11224.6	8447.7
55°	21645.0	19287.1	17227.6	15167.8	15498.4	15829.0	16657.6	17486.2	14476.8	11467.5	8392.0
57.5°	24030.5	21359.9	19280.1	17200.4	17863.3	18526.4	18977.8	19429.0	15319.6	11210.3	8000.0
60°	27153.9	24294.4	22326.3	20358.1	21181.6	22005.0	21304.0	20603.1	15530.3	10457.3	7270.4
62.5°	29977.8	27257.3	25454.1	23651.3	23744.2	23837.0	21922.0	20006.9	14643.4	9279.8	6283.9
65°	30340.1	27702.1	25410.7	23119.4	22763.9	22408.3	20610.9	18813.6	13388.4	7963.2	5277.4
67.5°	28390.8	25741.4	23354.2	20967.0	20800.3	20633.6	18924.2	17214.7	11895.0	6575.3	4291.4
70°	25711.3	23431.4	21296.6	19161.8	19087.0	19012.5	17153.1	15293.7	10265.5	5237.1	3378.9
72.5°	22427.3	20719.8	19049.4	17379.2	17325.8	17272.1	15138.2	13004.6	8498.9	3993.4	2583.2
75°	18723.1	17521.0	16221.5	14922.1	14723.8	14525.5	12317.1	10108.8	6473.8	2838.8	1874.8
77.5°	14741.3	13888.9	12901.0	11913.1	11629.3	11345.6	9283.9	7222.6	4531.1	1839.7	1270.4
80°	10840.6	10392.9	9647.1	8901.0	8548.3	8195.6	6461.5	4727.1	2919.3	1111.5	818.6
82.5°	7121.2	6934.4	6420.9	5907.4	5513.3	5119.4	3933.5	2747.8	1689.6	631.6	503.5
85°	4087.6	3981.5	3559.7	3137.7	2802.7	2467.6	1838.2	1209.0	760.0	311.3	269.2
87.5°	1602.2	1593.2	1382.2	1171.2	984.2	797.2	585.8	374.2	249.0	123.6	111.6
90°	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5
2.5°	4724.1	4684.1	4644.1	4605.7	4567.5	4530.4	4489.2	4455.7	4422.5	4392.3	4362.4
5°	4915.6	4832.6	4749.7	4672.3	4594.8	4521.7	4449.4	4386.5	4323.2	4270.4	4217.6
7.5°	5090.0	4967.4	4844.7	4736.5	4628.4	4528.7	4435.2	4351.2	4267.6	4197.9	4128.3
10°	5219.7	5070.8	4921.5	4793.8	4665.7	4542.6	4442.1	4353.7	4265.3	4195.6	4126.0
12.5°	5314.6	5138.8	4962.9	4818.3	4673.7	4544.3	4450.9	4378.4	4306.3	4260.1	4214.1
15°	5371.7	5169.3	4966.8	4799.4	4631.9	4488.6	4413.8	4379.1	4344.7	4350.9	4357.2
17.5°	5388.1	5153.1	4918.1	4716.6	4515.2	4346.7	4300.6	4313.3	4325.9	4401.8	4477.6
20°	5393.3	5108.5	4823.8	4574.1	4324.5	4128.3	4116.1	4175.2	4234.5	4366.3	4498.2
22.5°	5400.3	5053.9	4707.4	4406.8	4106.2	3882.8	3906.7	3994.2	4081.8	4232.2	4383.0
25°	5427.8	4999.8	4572.2	4220.0	3868.0	3639.2	3703.5	3804.5	3905.5	4040.8	4176.2
27.5°	5485.2	4963.9	4442.5	4049.3	3656.0	3447.6	3526.0	3623.5	3721.0	3832.2	3943.3
30°	5563.9	4947.0	4329.7	3906.5	3483.4	3308.4	3369.8	3447.1	3524.8	3617.0	3709.3
32.5°	5631.8	4926.0	4220.0	3783.5	3346.6	3205.7	3233.0	3278.8	3324.6	3398.2	3472.0
35°	5681.6	4886.8	4092.2	3662.4	3232.6	3115.2	3103.8	3116.4	3129.1	3185.3	3241.4
37.5°	5711.2	4819.3	3927.6	3520.1	3112.5	3009.8	2968.4	2954.5	2940.5	2980.9	3021.2
40°	5729.9	4726.6	3723.5	3350.1	2976.7	2883.6	2820.1	2788.6	2757.0	2786.2	2815.2
42.5°	5765.1	4630.8	3496.9	3162.6	2828.4	2742.6	2662.5	2620.7	2579.0	2602.7	2626.5
45°	5827.3	4541.9	3256.6	2963.5	2670.3	2583.3	2505.8	2465.1	2424.5	2444.4	2464.6
47.5°	5870.0	4468.4	3066.9	2805.9	2545.1	2432.7	2366.1	2332.0	2297.8	2316.6	2335.3
50°	5842.1	4388.3	2934.6	2701.4	2468.1	2320.5	2243.0	2212.7	2182.6	2211.8	2241.3
52.5°	5670.6	4253.1	2835.8	2632.4	2429.2	2259.5	2151.3	2121.3	2091.5	2135.6	2179.5
55°	5316.4	4028.9	2741.4	2582.5	2423.5	2265.7	2102.5	2055.2	2008.0	2070.5	2132.8
57.5°	4789.8	3712.8	2635.6	2523.2	2411.0	2271.7	2073.3	2004.4	1935.4	2002.6	2069.8
60°	4083.5	3302.2	2521.0	2432.7	2344.5	2252.5	2045.8	1956.5	1867.0	1926.0	1984.8
62.5°	3288.0	2811.1	2334.0	2275.4	2216.9	2205.6	2013.7	1902.0	1790.4	1827.8	1865.3
65°	2591.7	2369.1	2146.4	2118.7	2091.0	2092.4	1946.2	1827.5	1708.6	1723.0	1737.3
67.5°	2007.5	1944.3	1880.9	1896.5	1911.7	1907.9	1825.7	1726.8	1628.0	1623.5	1618.9
70°	1520.6	1538.7	1556.6	1628.3	1699.9	1699.9	1672.9	1602.6	1532.3	1516.6	1500.9
72.5°	1172.9	1227.4	1282.1	1383.7	1485.2	1502.3	1502.6	1454.5	1406.2	1383.2	1360.4
75°	910.8	960.2	1009.6	1123.5	1237.4	1316.0	1309.4	1272.3	1235.1	1213.2	1191.0
77.5°	701.2	734.8	768.5	879.1	989.6	1119.3	1115.8	1086.1	1056.3	1034.0	1011.8
80°	525.7	539.7	553.6	647.2	740.7	895.6	895.1	870.2	845.1	826.6	807.7
82.5°	375.7	378.1	380.9	449.8	518.8	651.1	658.4	646.2	634.0	620.7	607.5
85°	227.1	225.9	224.6	275.0	325.5	423.8	433.5	420.4	407.3	392.6	377.7
87.5°	99.5	98.4	97.2	117.7	138.4	179.3	191.5	186.2	181.0	178.2	175.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P965152

CATALOG NUMBER: NAV-SB3D-750-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5
2.5°	4336.2	4309.8	4283.4	4257.1	4236.7	4216.2	4199.6	4183.1	4170.2	4157.4	4145.5
5°	4170.9	4124.3	4082.0	4039.5	4006.9	3974.2	3951.4	3928.6	3912.4	3896.2	3883.8
7.5°	4069.7	4010.8	3958.9	3907.2	3868.3	3829.7	3802.5	3775.4	3756.8	3738.4	3727.2
10°	4062.8	3999.4	3941.1	3882.8	3836.6	3790.0	3759.8	3729.2	3711.5	3694.0	3684.6
12.5°	4164.3	4114.9	4054.5	3994.2	3935.1	3875.8	3836.7	3797.5	3777.8	3758.4	3750.4
15°	4344.4	4331.4	4279.1	4226.6	4142.3	4058.2	3998.6	3939.1	3911.7	3884.5	3874.1
17.5°	4518.0	4558.3	4515.9	4473.8	4362.2	4250.7	4162.9	4075.2	4034.8	3994.2	3981.0
20°	4582.7	4667.0	4647.6	4627.9	4500.3	4372.9	4265.3	4157.9	4106.2	4054.3	4037.8
22.5°	4492.8	4602.7	4614.4	4626.1	4504.3	4382.4	4271.7	4160.9	4106.4	4051.7	4033.4
25°	4284.3	4392.3	4432.7	4473.0	4373.1	4273.3	4174.7	4076.6	4029.3	3982.0	3964.8
27.5°	4029.9	4116.6	4161.5	4206.6	4135.5	4064.4	3988.0	3911.6	3879.8	3848.1	3840.2
30°	3781.1	3853.3	3889.8	3926.4	3872.2	3817.9	3763.3	3708.2	3692.0	3675.6	3675.6
32.5°	3541.0	3610.0	3650.6	3691.3	3641.5	3591.6	3547.9	3504.2	3493.6	3483.0	3484.4
35°	3309.6	3378.0	3426.8	3475.5	3440.0	3404.6	3364.3	3324.1	3307.9	3291.8	3288.3
37.5°	3089.2	3157.4	3217.7	3278.0	3261.5	3245.1	3208.1	3170.8	3141.4	3112.2	3096.7
40°	2881.0	2946.8	3016.1	3085.6	3089.6	3093.3	3061.9	3030.4	2987.6	2945.0	2916.1
42.5°	2688.8	2751.3	2826.1	2901.1	2921.0	2941.0	2914.4	2887.9	2834.8	2781.7	2739.8
45°	2523.8	2583.0	2660.6	2738.3	2767.0	2795.7	2771.7	2747.8	2687.0	2626.5	2577.3
47.5°	2393.3	2451.1	2527.6	2604.2	2637.3	2670.3	2653.6	2636.9	2583.0	2529.0	2483.4
50°	2295.9	2350.4	2419.0	2487.6	2530.1	2572.5	2571.5	2570.8	2527.6	2484.5	2442.4
52.5°	2229.6	2279.6	2343.5	2407.5	2457.8	2508.2	2517.2	2526.2	2491.1	2455.9	2418.2
55°	2186.7	2240.8	2296.8	2352.7	2406.0	2459.4	2471.9	2484.5	2453.8	2423.2	2390.1
57.5°	2133.1	2196.6	2251.9	2307.4	2361.2	2414.8	2427.5	2440.2	2409.3	2378.3	2345.5
60°	2057.6	2130.4	2186.6	2243.0	2296.9	2350.9	2364.9	2378.8	2348.5	2318.3	2284.6
62.5°	1950.1	2034.9	2095.0	2155.1	2204.6	2254.0	2267.4	2280.8	2253.5	2226.1	2190.6
65°	1828.2	1919.2	1976.7	2034.1	2077.7	2121.1	2134.9	2148.5	2122.2	2095.9	2061.5
67.5°	1702.8	1786.9	1841.4	1895.7	1933.4	1971.0	1984.3	1997.5	1973.3	1949.3	1917.3
70°	1574.7	1648.5	1695.6	1742.5	1776.4	1810.5	1823.3	1836.2	1816.5	1796.8	1766.2
72.5°	1418.6	1476.5	1519.0	1561.5	1594.7	1628.0	1643.3	1658.7	1642.3	1625.9	1596.6
75°	1234.2	1277.4	1315.9	1354.3	1384.7	1414.9	1430.9	1447.0	1438.9	1430.9	1406.4
77.5°	1046.9	1081.9	1115.0	1148.0	1179.9	1211.6	1226.5	1241.6	1230.4	1218.9	1194.2
80°	837.0	866.0	893.9	921.8	946.0	970.0	989.8	1009.6	1004.8	1000.1	966.9
82.5°	605.1	602.7	593.0	583.1	634.7	686.2	720.0	753.8	751.6	749.4	721.4
85°	365.2	352.5	325.5	298.6	346.8	395.1	437.0	478.7	475.2	471.7	449.8
87.5°	175.0	174.5	153.9	133.1	153.3	173.7	190.6	207.5	203.4	198.7	187.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P965152

CATALOG NUMBER: NAV-SB3D-750-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5
2.5°	4133.5	4118.8	4133.5	4145.5	4157.4	4170.2	4183.1	4199.6	4216.2	4236.7	4257.1
5°	3871.5	3859.3	3871.5	3883.8	3896.2	3912.4	3928.6	3951.4	3974.2	4006.9	4039.5
7.5°	3716.2	3707.8	3716.2	3727.2	3738.4	3756.8	3775.4	3802.5	3829.7	3868.3	3907.2
10°	3675.1	3671.3	3675.1	3684.6	3694.0	3711.5	3729.2	3759.8	3790.0	3836.6	3882.8
12.5°	3742.4	3740.9	3742.4	3750.4	3758.4	3777.8	3797.5	3836.7	3875.8	3935.1	3994.2
15°	3863.6	3862.8	3863.6	3874.1	3884.5	3911.7	3939.1	3998.6	4058.2	4142.3	4226.6
17.5°	3967.6	3965.5	3967.6	3981.0	3994.2	4034.8	4075.2	4162.9	4250.7	4362.2	4473.8
20°	4021.2	4016.1	4021.2	4037.8	4054.3	4106.2	4157.9	4265.3	4372.9	4500.3	4627.9
22.5°	4015.1	4007.3	4015.1	4033.4	4051.7	4106.4	4160.9	4271.7	4382.4	4504.3	4626.1
25°	3947.8	3937.6	3947.8	3964.8	3982.0	4029.3	4076.6	4174.7	4273.3	4373.1	4473.0
27.5°	3832.4	3829.7	3832.4	3840.2	3848.1	3879.8	3911.6	3988.0	4064.4	4135.5	4206.6
30°	3675.6	3678.3	3675.6	3675.6	3675.6	3692.0	3708.2	3763.3	3817.9	3872.2	3926.4
32.5°	3485.9	3488.6	3485.9	3484.4	3483.0	3493.6	3504.2	3547.9	3591.6	3641.5	3691.3
35°	3284.9	3283.2	3284.9	3288.3	3291.8	3307.9	3324.1	3364.3	3404.6	3440.0	3475.5
37.5°	3081.1	3072.5	3081.1	3096.7	3112.2	3141.4	3170.8	3208.1	3245.1	3261.5	3278.0
40°	2887.6	2870.5	2887.6	2916.1	2945.0	2987.6	3030.4	3061.9	3093.3	3089.6	3085.6
42.5°	2697.9	2670.3	2697.9	2739.8	2781.7	2834.8	2887.9	2914.4	2941.0	2921.0	2901.1
45°	2528.0	2496.3	2528.0	2577.3	2626.5	2687.0	2747.8	2771.7	2795.7	2767.0	2738.3
47.5°	2438.0	2407.5	2438.0	2483.4	2529.0	2583.0	2636.9	2653.6	2670.3	2637.3	2604.2
50°	2400.2	2370.9	2400.2	2442.4	2484.5	2527.6	2570.8	2571.5	2572.5	2530.1	2487.6
52.5°	2380.6	2353.5	2380.6	2418.2	2455.9	2491.1	2526.2	2517.2	2508.2	2457.8	2407.5
55°	2357.0	2332.7	2357.0	2390.1	2423.2	2453.8	2484.5	2471.9	2459.4	2406.0	2352.7
57.5°	2312.6	2287.4	2312.6	2345.5	2378.3	2409.3	2440.2	2427.5	2414.8	2361.2	2307.4
60°	2250.8	2224.8	2250.8	2284.6	2318.3	2348.5	2378.8	2364.9	2350.9	2296.9	2243.0
62.5°	2155.1	2123.8	2155.1	2190.6	2226.1	2253.5	2280.8	2267.4	2254.0	2204.6	2155.1
65°	2027.1	2000.2	2027.1	2061.5	2095.9	2122.2	2148.5	2134.9	2121.1	2077.7	2034.1
67.5°	1885.3	1860.9	1885.3	1917.3	1949.3	1973.3	1997.5	1984.3	1971.0	1933.4	1895.7
70°	1735.5	1707.8	1735.5	1766.2	1796.8	1816.5	1836.2	1823.3	1810.5	1776.4	1742.5
72.5°	1567.5	1540.6	1567.5	1596.6	1625.9	1642.3	1658.7	1643.3	1628.0	1594.7	1561.5
75°	1381.8	1356.1	1381.8	1406.4	1430.9	1438.9	1447.0	1430.9	1414.9	1384.7	1354.3
77.5°	1169.4	1148.9	1169.4	1194.2	1218.9	1230.4	1241.6	1226.5	1211.6	1179.9	1148.0
80°	933.4	894.7	933.4	966.9	1000.1	1004.8	1009.6	989.8	970.0	946.0	921.8
82.5°	693.2	668.5	693.2	721.4	749.4	751.6	753.8	720.0	686.2	634.7	583.1
85°	427.8	405.6	427.8	449.8	471.7	475.2	478.7	437.0	395.1	346.8	298.6
87.5°	176.2	165.3	176.2	187.7	198.7	203.4	207.5	190.6	173.7	153.3	133.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P965152

CATALOG NUMBER: NAV-SB3D-750-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5
2.5°	4283.4	4309.8	4336.2	4362.4	4392.3	4422.5	4455.7	4489.2	4530.4	4567.5	4605.7
5°	4082.0	4124.3	4170.9	4217.6	4270.4	4323.2	4386.5	4449.4	4521.7	4594.8	4672.3
7.5°	3958.9	4010.8	4069.7	4128.3	4197.9	4267.6	4351.2	4435.2	4528.7	4628.4	4736.5
10°	3941.1	3999.4	4062.8	4126.0	4195.6	4265.3	4353.7	4442.1	4542.6	4665.7	4793.8
12.5°	4054.5	4114.9	4164.3	4214.1	4260.1	4306.3	4378.4	4450.9	4544.3	4673.7	4818.3
15°	4279.1	4331.4	4344.4	4357.2	4350.9	4344.7	4379.1	4413.8	4488.6	4631.9	4799.4
17.5°	4515.9	4558.3	4518.0	4477.6	4401.8	4325.9	4313.3	4300.6	4346.7	4515.2	4716.6
20°	4647.6	4667.0	4582.7	4498.2	4366.3	4234.5	4175.2	4116.1	4128.3	4324.5	4574.1
22.5°	4614.4	4602.7	4492.8	4383.0	4232.2	4081.8	3994.2	3906.7	3882.8	4106.2	4406.8
25°	4432.7	4392.3	4284.3	4176.2	4040.8	3905.5	3804.5	3703.5	3639.2	3868.0	4220.0
27.5°	4161.5	4116.6	4029.9	3943.3	3832.2	3721.0	3623.5	3526.0	3447.6	3656.0	4049.3
30°	3889.8	3853.3	3781.1	3709.3	3617.0	3524.8	3447.1	3369.8	3308.4	3483.4	3906.5
32.5°	3650.6	3610.0	3541.0	3472.0	3398.2	3324.6	3278.8	3233.0	3205.7	3346.6	3783.5
35°	3426.8	3378.0	3309.6	3241.4	3185.3	3129.1	3116.4	3103.8	3115.2	3232.6	3662.4
37.5°	3217.7	3157.4	3089.2	3021.2	2980.9	2940.5	2954.5	2968.4	3009.8	3112.5	3520.1
40°	3016.1	2946.8	2881.0	2815.2	2786.2	2757.0	2788.6	2820.1	2883.6	2976.7	3350.1
42.5°	2826.1	2751.3	2688.8	2626.5	2602.7	2579.0	2620.7	2662.5	2742.6	2828.4	3162.6
45°	2660.6	2583.0	2523.8	2464.6	2444.4	2424.5	2465.1	2505.8	2583.3	2670.3	2963.5
47.5°	2527.6	2451.1	2393.3	2335.3	2316.6	2297.8	2332.0	2366.1	2432.7	2545.1	2805.9
50°	2419.0	2350.4	2295.9	2241.3	2211.8	2182.6	2212.7	2243.0	2320.5	2468.1	2701.4
52.5°	2343.5	2279.6	2229.6	2179.5	2135.6	2091.5	2121.3	2151.3	2259.5	2429.2	2632.4
55°	2296.8	2240.8	2186.7	2132.8	2070.5	2008.0	2055.2	2102.5	2265.7	2423.5	2582.5
57.5°	2251.9	2196.6	2133.1	2069.8	2002.6	1935.4	2004.4	2073.3	2271.7	2411.0	2523.2
60°	2186.6	2130.4	2057.6	1984.8	1926.0	1867.0	1956.5	2045.8	2252.5	2344.5	2432.7
62.5°	2095.0	2034.9	1950.1	1865.3	1827.8	1790.4	1902.0	2013.7	2205.6	2216.9	2275.4
65°	1976.7	1919.2	1828.2	1737.3	1723.0	1708.6	1827.5	1946.2	2092.4	2091.0	2118.7
67.5°	1841.4	1786.9	1702.8	1618.9	1623.5	1628.0	1726.8	1825.7	1907.9	1911.7	1896.5
70°	1695.6	1648.5	1574.7	1500.9	1516.6	1532.3	1602.6	1672.9	1699.9	1699.9	1628.3
72.5°	1519.0	1476.5	1418.6	1360.4	1383.2	1406.2	1454.5	1502.6	1502.3	1485.2	1383.7
75°	1315.9	1277.4	1234.2	1191.0	1213.2	1235.1	1272.3	1309.4	1316.0	1237.4	1123.5
77.5°	1115.0	1081.9	1046.9	1011.8	1034.0	1056.3	1086.1	1115.8	1119.3	989.6	879.1
80°	893.9	866.0	837.0	807.7	826.6	845.1	870.2	895.1	895.6	740.7	647.2
82.5°	593.0	602.7	605.1	607.5	620.7	634.0	646.2	658.4	651.1	518.8	449.8
85°	325.5	352.5	365.2	377.7	392.6	407.3	420.4	433.5	423.8	325.5	275.0
87.5°	153.9	174.5	175.0	175.5	178.2	181.0	186.2	191.5	179.3	138.4	117.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P965152

CATALOG NUMBER: NAV-SB3D-750-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5
2.5°	4644.1	4684.1	4724.1	4763.9	4803.7	4841.2	4878.6
5°	4749.7	4832.6	4915.6	4998.0	5080.5	5163.2	5245.8
7.5°	4844.7	4967.4	5090.0	5216.1	5342.1	5478.4	5615.0
10°	4921.5	5070.8	5219.7	5386.2	5552.7	5725.2	5897.7
12.5°	4962.9	5138.8	5314.6	5503.3	5692.0	5881.4	6071.0
15°	4966.8	5169.3	5371.7	5576.4	5781.2	5978.7	6176.3
17.5°	4918.1	5153.1	5388.1	5611.5	5834.8	6035.1	6235.5
20°	4823.8	5108.5	5393.3	5638.7	5884.2	6092.6	6300.8
22.5°	4707.4	5053.9	5400.3	5675.6	5950.8	6163.8	6376.5
25°	4572.2	4999.8	5427.8	5742.6	6057.0	6265.4	6474.0
27.5°	4442.5	4963.9	5485.2	5847.0	6208.5	6407.5	6606.3
30°	4329.7	4947.0	5563.9	5982.2	6400.5	6592.6	6784.7
32.5°	4220.0	4926.0	5631.8	6123.5	6615.0	6805.1	6995.3
35°	4092.2	4886.8	5681.6	6284.3	6886.9	7069.2	7251.3
37.5°	3927.6	4819.3	5711.2	6464.5	7217.6	7449.9	7682.1
40°	3723.5	4726.6	5729.9	6693.1	7656.3	7994.8	8333.1
42.5°	3496.9	4630.8	5765.1	6992.4	8219.7	8708.1	9196.6
45°	3256.6	4541.9	5827.3	7386.2	8945.1	9603.9	10262.8
47.5°	3066.9	4468.4	5870.0	7805.7	9741.5	10668.9	11596.2
50°	2934.6	4388.3	5842.1	8195.0	10547.8	11946.0	13344.1
52.5°	2835.8	4253.1	5670.6	8447.7	11224.6	13287.5	15350.3
55°	2741.4	4028.9	5316.4	8392.0	11467.5	14476.8	17486.2
57.5°	2635.6	3712.8	4789.8	8000.0	11210.3	15319.6	19429.0
60°	2521.0	3302.2	4083.5	7270.4	10457.3	15530.3	20603.1
62.5°	2334.0	2811.1	3288.0	6283.9	9279.8	14643.4	20006.9
65°	2146.4	2369.1	2591.7	5277.4	7963.2	13388.4	18813.6
67.5°	1880.9	1944.3	2007.5	4291.4	6575.3	11895.0	17214.7
70°	1556.6	1538.7	1520.6	3378.9	5237.1	10265.5	15293.7
72.5°	1282.1	1227.4	1172.9	2583.2	3993.4	8498.9	13004.6
75°	1009.6	960.2	910.8	1874.8	2838.8	6473.8	10108.8
77.5°	768.5	734.8	701.2	1270.4	1839.7	4531.1	7222.6
80°	553.6	539.7	525.7	818.6	1111.5	2919.3	4727.1
82.5°	380.9	378.1	375.7	503.5	631.6	1689.6	2747.8
85°	224.6	225.9	227.1	269.2	311.3	760.0	1209.0
87.5°	97.2	98.4	99.5	111.6	123.6	249.0	374.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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