

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: LUMIERE

Report Number: P394710

Luminaire Tested: **303-B1-LEDB2-4000-UNV-T2-DIM10**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P394710  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/9/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 303-B1-LEDB2-4000-UNV-T2-DIM10  
Description: LUMIERE EON LED LUMINAIRE  
BOLLARD, SINGLE HEAD, TWO LIGHTBAR, TYPE 2  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1226.2 lumens  
Efficiency: N/A  
Efficacy: 79.1 lumens/watt  
Luminous Opening: Rectangular (W 0.38' x L: 0.42' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B0 - U0 - G0

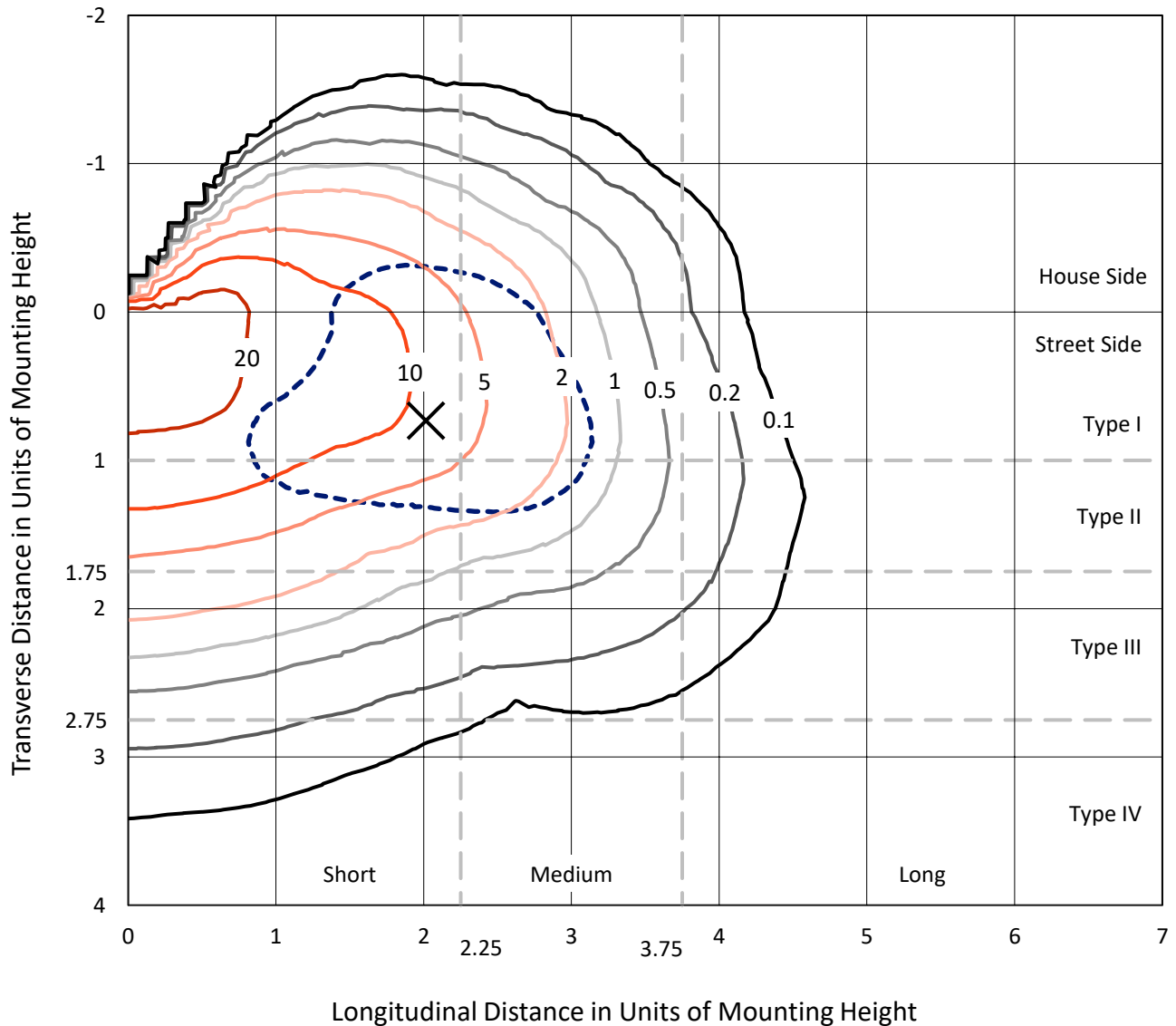
Input Watts (W): 15.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

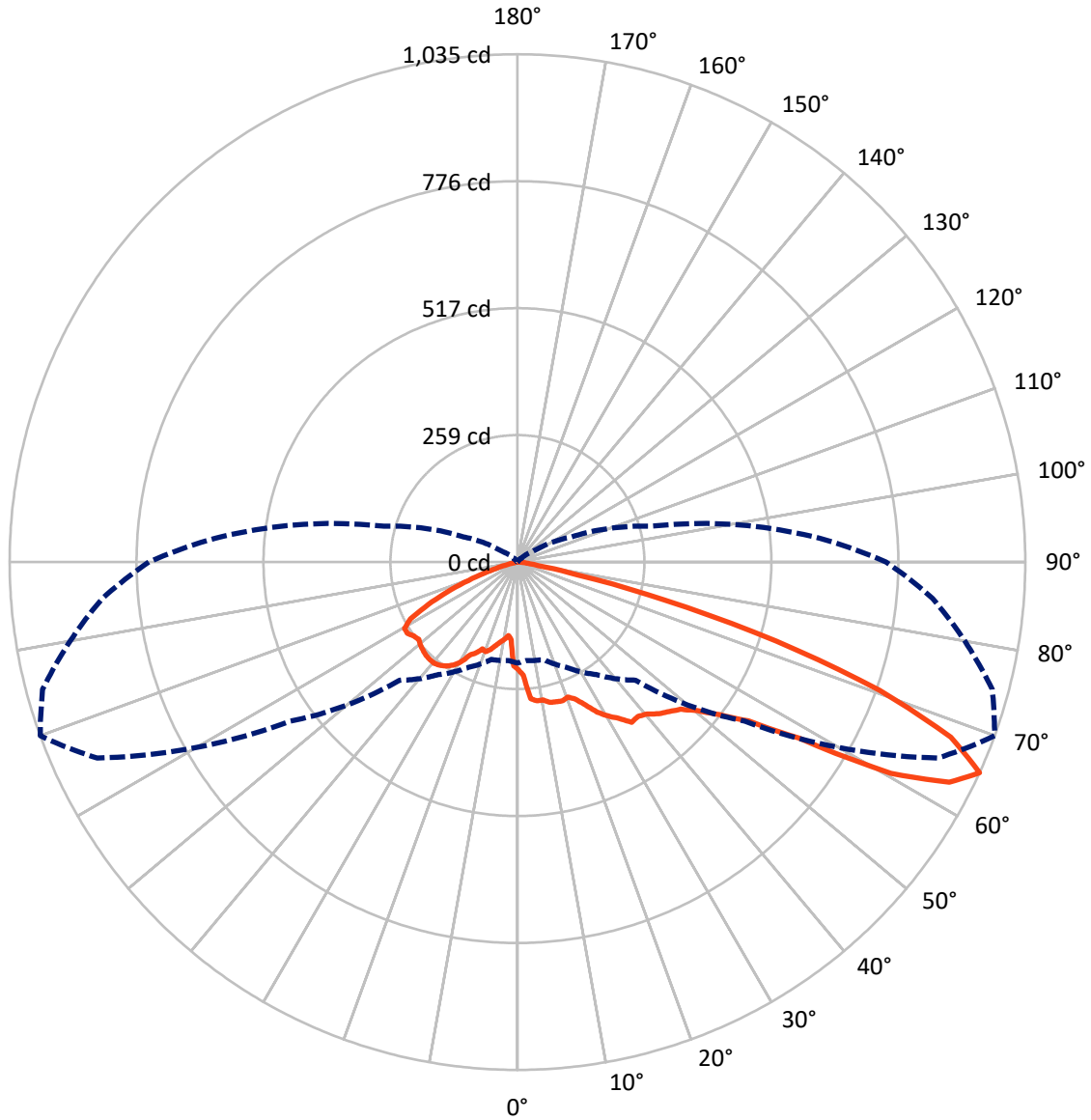
× Max cd  
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 34.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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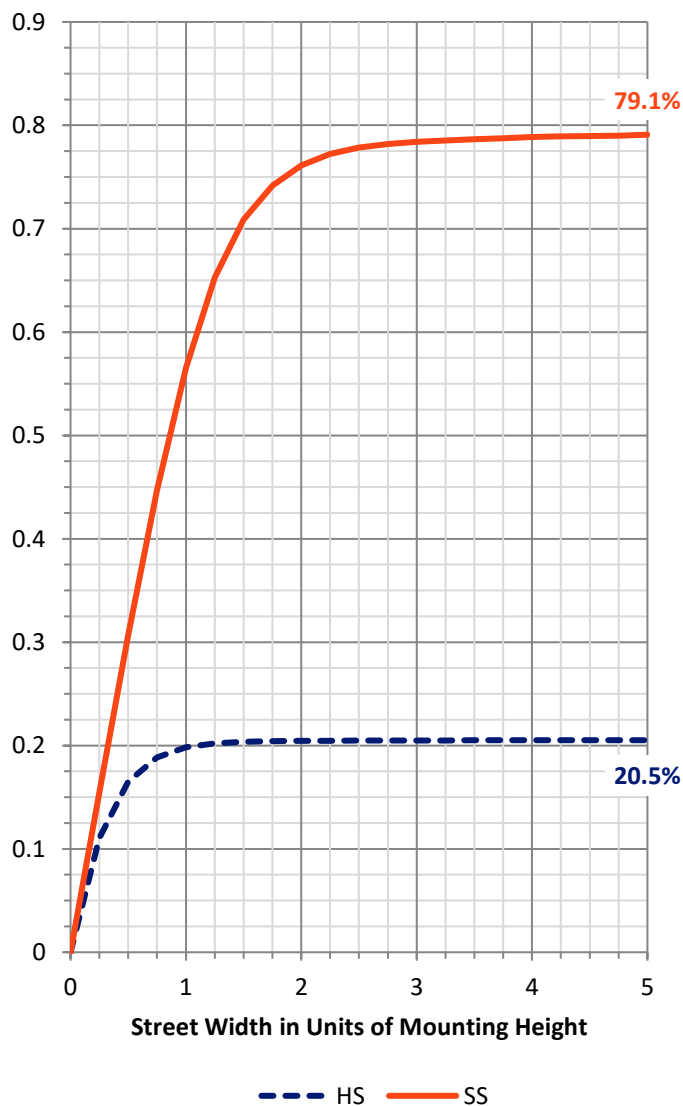
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	253.7	0.0	253.7
	% Fixture	20.7	0.0	20.7
<b>Street Side</b>	Lumens	972.5	0.0	972.5
	% Fixture	79.3	0.0	79.3
<b>Total</b>	Lumens	1226.2	0.0	1226.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.4	1.5
10°-20°	54.9	4.5
20°-30°	98.2	8.0
30°-40°	155.2	12.7
40°-50°	218.7	17.8
50°-60°	286.4	23.4
60°-70°	297.2	24.2
70°-80°	89.3	7.3
80°-90°	7.9	0.6
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°	1226.2	100.0
0°-180°	1226.2	100.0

**Coefficient of Utilization**



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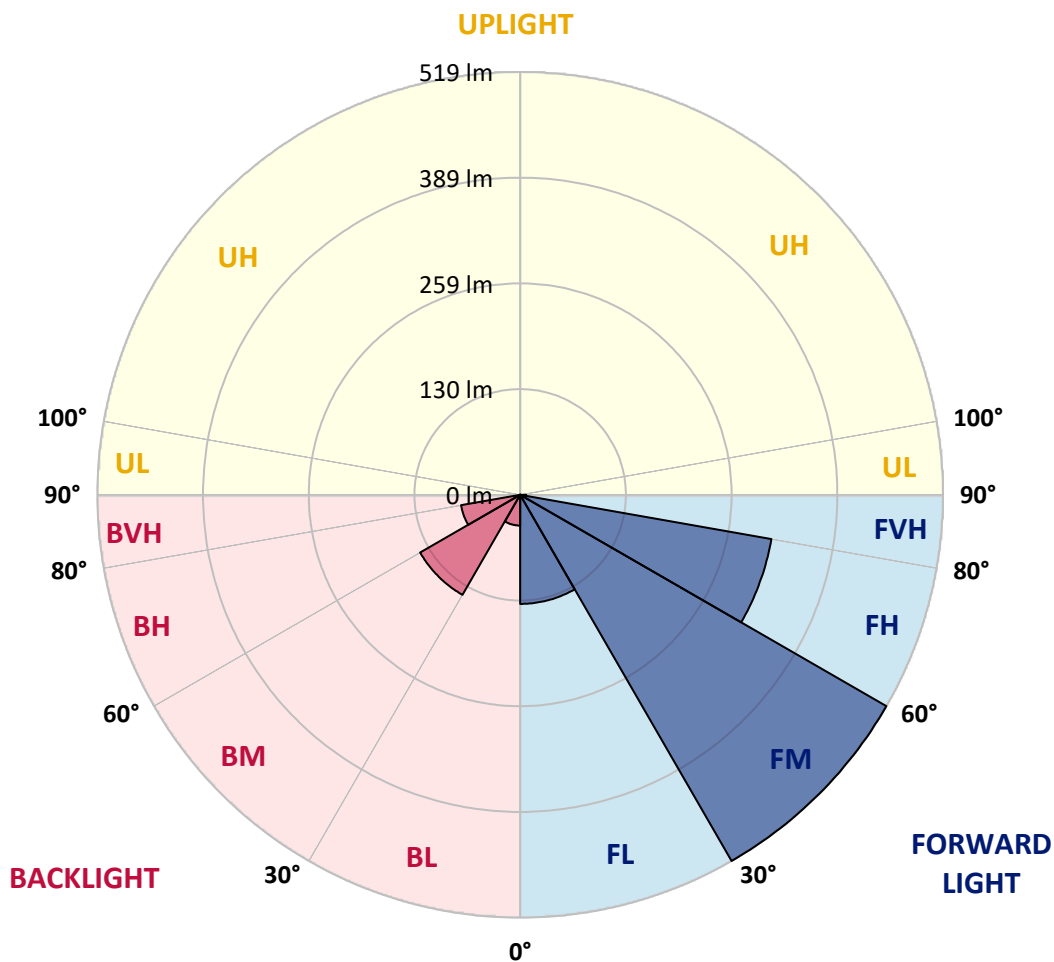
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	133.8	10.9			
FM (30°-60°)	518.6	42.3			
FH (60°-80°)	312.9	25.5			G0/660
FVH (80°-90°)	7.2	0.6			G0/10
BL (0°-30°)	37.7	3.1	B0/110		
BM (30°-60°)	141.7	11.6	B0/220		
BH (60°-80°)	73.6	6.0	B0/110		G0/110
BVH (80°-90°)	0.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G0**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	219.1	219.1	219.1	219.1	219.1	219.1	219.1	219.1	219.1	219.1	219.1
2.5°	346.2	328.6	324.7	326.7	313.0	307.1	289.5	244.5	230.8	223.0	219.1
5°	356.0	352.1	356.0	361.9	358.0	354.1	330.6	297.3	279.7	264.1	223.0
7.5°	307.1	309.1	311.0	322.8	336.5	344.3	322.8	299.3	285.6	264.1	228.9
10°	320.8	314.9	314.9	311.0	305.2	305.2	316.9	301.3	285.6	270.0	234.7
12.5°	324.7	316.9	326.7	330.6	332.6	307.1	299.3	305.2	293.4	275.8	242.6
15°	324.7	313.0	314.9	326.7	330.6	328.6	301.3	289.5	295.4	281.7	252.4
17.5°	322.8	307.1	311.0	318.9	318.9	338.4	320.8	285.6	297.3	289.5	264.1
20°	322.8	320.8	318.9	316.9	316.9	326.7	326.7	301.3	293.4	301.3	275.8
22.5°	332.6	322.8	324.7	326.7	318.9	328.6	330.6	324.7	303.2	303.2	289.5
25°	324.7	322.8	322.8	330.6	336.5	336.5	334.5	338.4	322.8	309.1	305.2
27.5°	330.6	328.6	328.6	332.6	340.4	352.1	342.3	354.1	346.2	324.7	318.9
30°	336.5	332.6	336.5	342.3	350.2	359.9	354.1	363.9	363.9	340.4	334.5
32.5°	361.9	342.3	344.3	352.1	363.9	375.6	371.7	371.7	379.5	363.9	348.2
35°	367.8	356.0	359.9	369.7	381.5	393.2	393.2	391.2	401.0	385.4	363.9
37.5°	373.6	373.6	373.6	391.2	399.1	412.8	404.9	401.0	399.1	389.3	367.8
40°	391.2	391.2	393.2	406.9	418.6	432.3	420.6	408.8	406.9	401.0	387.3
42.5°	412.8	410.8	418.6	424.5	442.1	453.8	448.0	428.4	422.5	408.8	403.0
45°	436.2	424.5	424.5	448.0	461.7	477.3	473.4	442.1	434.3	424.5	420.6
47.5°	430.4	430.4	428.4	453.8	475.4	500.8	506.7	463.6	448.0	434.3	434.3
50°	432.3	430.4	438.2	455.8	489.1	518.4	532.1	498.8	475.4	461.7	444.1
52.5°	422.5	430.4	426.5	457.8	489.1	530.1	553.6	539.9	516.4	504.7	471.4
55°	385.4	385.4	401.0	440.1	491.0	536.0	584.9	582.9	571.2	553.6	530.1
57.5°	352.1	346.2	352.1	387.3	463.6	538.0	626.0	684.7	676.8	661.2	669.0
60°	293.4	283.6	303.2	342.3	418.6	516.4	651.4	837.3	874.4	849.0	831.4
62.5°	250.4	252.4	260.2	291.5	344.3	438.2	635.8	921.4	987.9	970.3	884.2
65°	205.4	201.5	205.4	236.7	279.7	340.4	565.3	944.8	1034.8	1001.6	849.0
67.5°	119.3	117.4	123.2	150.6	203.4	248.4	426.5	862.7	952.7	929.2	755.1
70°	60.6	62.6	64.6	74.3	111.5	170.2	285.6	682.7	782.5	800.1	592.7
72.5°	46.9	45.0	46.9	48.9	60.6	99.8	193.7	473.4	551.6	561.4	404.9
75°	33.3	33.3	35.2	35.2	37.2	48.9	142.8	283.6	309.1	287.6	164.3
77.5°	27.4	27.4	25.4	25.4	25.4	29.3	88.0	131.1	125.2	119.3	46.9
80°	21.5	21.5	21.5	21.5	21.5	21.5	39.1	54.8	43.0	48.9	21.5
82.5°	17.6	17.6	17.6	15.6	15.6	15.6	17.6	23.5	21.5	29.3	11.7
85°	15.6	13.7	13.7	13.7	13.7	11.7	11.7	9.8	9.8	9.8	3.9
87.5°	13.7	13.7	13.7	11.7	11.7	9.8	7.8	5.9	5.9	3.9	2.0
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	219.1	219.1	219.1	219.1	219.1	219.1	219.1	219.1	219.1	219.1	219.1
2.5°	221.1	217.1	217.1	205.4	140.8	103.7	97.8	93.9	86.1	78.2	76.3
5°	223.0	221.1	185.8	131.1	72.4	23.5	3.9	0.0	0.0	0.0	0.0
7.5°	225.0	225.0	183.9	117.4	74.3	27.4	3.9	0.0	0.0	0.0	0.0
10°	232.8	230.8	189.8	129.1	66.5	31.3	2.0	0.0	0.0	0.0	0.0
12.5°	240.6	242.6	199.5	133.0	78.2	33.3	2.0	0.0	0.0	0.0	0.0
15°	248.4	252.4	211.3	138.9	84.1	33.3	2.0	0.0	0.0	0.0	0.0
17.5°	260.2	264.1	225.0	146.7	90.0	35.2	2.0	0.0	0.0	0.0	0.0
20°	273.9	277.8	234.7	152.6	97.8	37.2	2.0	0.0	0.0	0.0	0.0
22.5°	289.5	295.4	221.1	160.4	88.0	37.2	2.0	0.0	0.0	0.0	0.0
25°	303.2	307.1	234.7	172.1	86.1	39.1	2.0	0.0	0.0	0.0	0.0
27.5°	316.9	322.8	256.3	168.2	111.5	41.1	2.0	0.0	0.0	0.0	0.0
30°	334.5	340.4	277.8	189.8	117.4	41.1	2.0	0.0	0.0	0.0	0.0
32.5°	354.1	356.0	299.3	195.6	125.2	41.1	0.0	0.0	0.0	0.0	0.0
35°	367.8	371.7	311.0	203.4	125.2	41.1	0.0	0.0	0.0	0.0	0.0
37.5°	379.5	383.4	318.9	207.4	125.2	41.1	0.0	0.0	0.0	0.0	0.0
40°	391.2	399.1	324.7	209.3	123.2	39.1	0.0	0.0	0.0	0.0	0.0
42.5°	406.9	410.8	324.7	209.3	113.5	19.6	0.0	0.0	0.0	0.0	0.0
45°	420.6	418.6	326.7	205.4	111.5	37.2	2.0	0.0	0.0	0.0	0.0
47.5°	436.2	428.4	326.7	199.5	91.9	37.2	2.0	0.0	0.0	0.0	0.0
50°	451.9	436.2	324.7	195.6	101.7	33.3	2.0	0.0	0.0	0.0	0.0
52.5°	475.4	449.9	322.8	187.8	95.9	31.3	2.0	0.0	0.0	0.0	0.0
55°	536.0	500.8	332.6	185.8	88.0	27.4	2.0	0.0	0.0	0.0	0.0
57.5°	643.6	577.1	348.2	185.8	78.2	23.5	0.0	0.0	0.0	0.0	0.0
60°	751.2	653.4	356.0	178.0	64.6	19.6	0.0	0.0	0.0	0.0	0.0
62.5°	792.3	661.2	332.6	160.4	50.9	15.6	0.0	0.0	0.0	0.0	0.0
65°	751.2	602.5	281.7	121.3	37.2	11.7	0.0	0.0	0.0	0.0	0.0
67.5°	655.3	528.2	223.0	88.0	27.4	9.8	0.0	0.0	0.0	0.0	0.0
70°	520.4	418.6	156.5	56.7	17.6	5.9	0.0	0.0	0.0	0.0	0.0
72.5°	330.6	275.8	93.9	33.3	11.7	3.9	0.0	0.0	0.0	0.0	0.0
75°	119.3	113.5	46.9	19.6	7.8	2.0	0.0	0.0	0.0	0.0	0.0
77.5°	39.1	35.2	19.6	9.8	3.9	2.0	0.0	0.0	0.0	0.0	0.0
80°	17.6	15.6	9.8	5.9	3.9	2.0	0.0	0.0	0.0	0.0	0.0
82.5°	9.8	9.8	5.9	3.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.9	3.9	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)