

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: P394788

Luminaire Tested: **303-P1-LEDB1-2700-UNV-T2-DIM10**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P394788  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/9/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 303-P1-LEDB1-2700-UNV-T2-DIM10  
Description: LUMIERE EON LED LUMINAIRE  
PATHWAY, TYPE 2  
Light Source: 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 624.3 lumens  
Efficiency: N/A  
Efficacy: 76.1 lumens/watt  
Luminous Opening: Rectangular (W 0.38' x L: 0.21' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B0 - U0 - G0

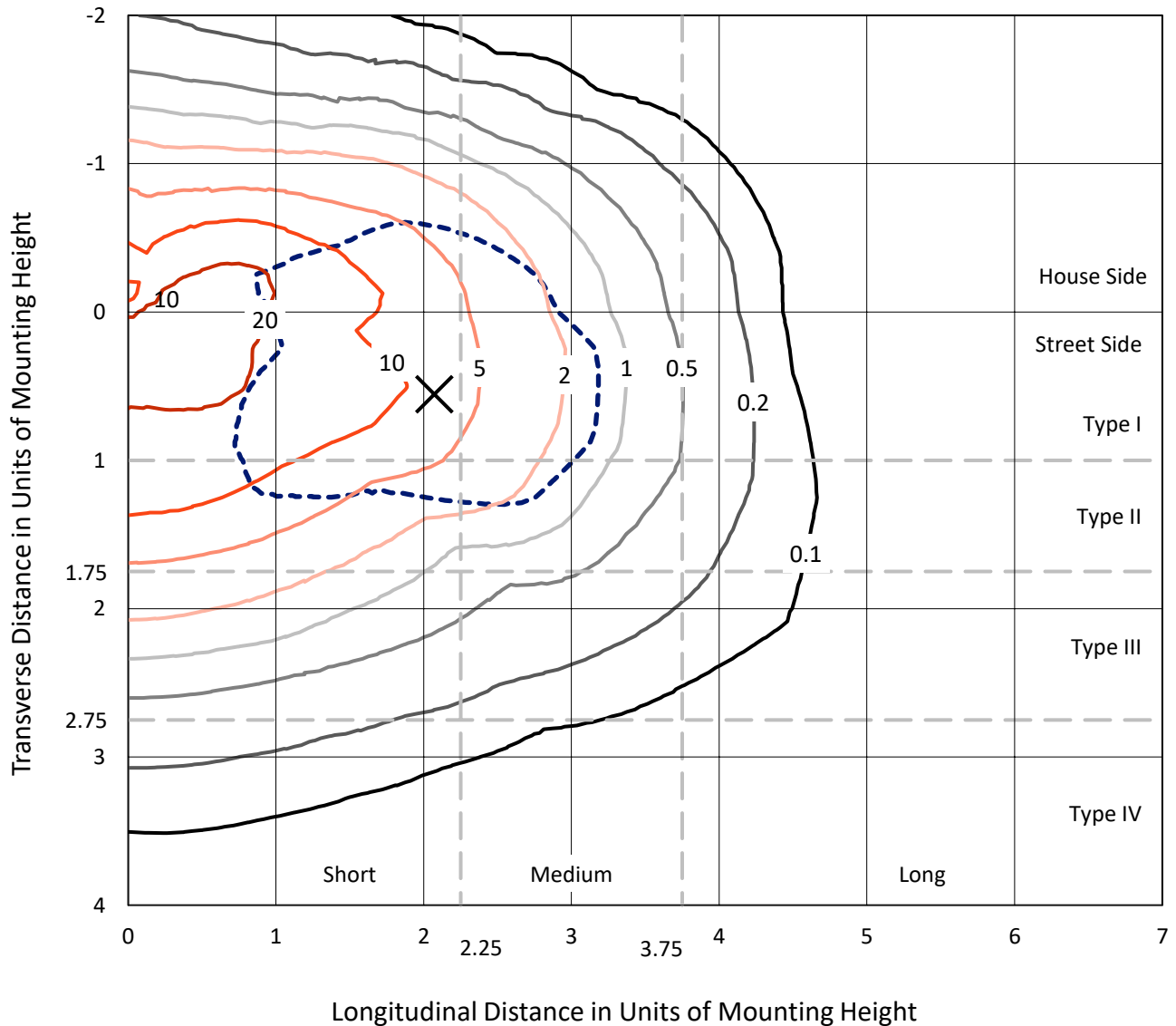
Input Watts (W): 8.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

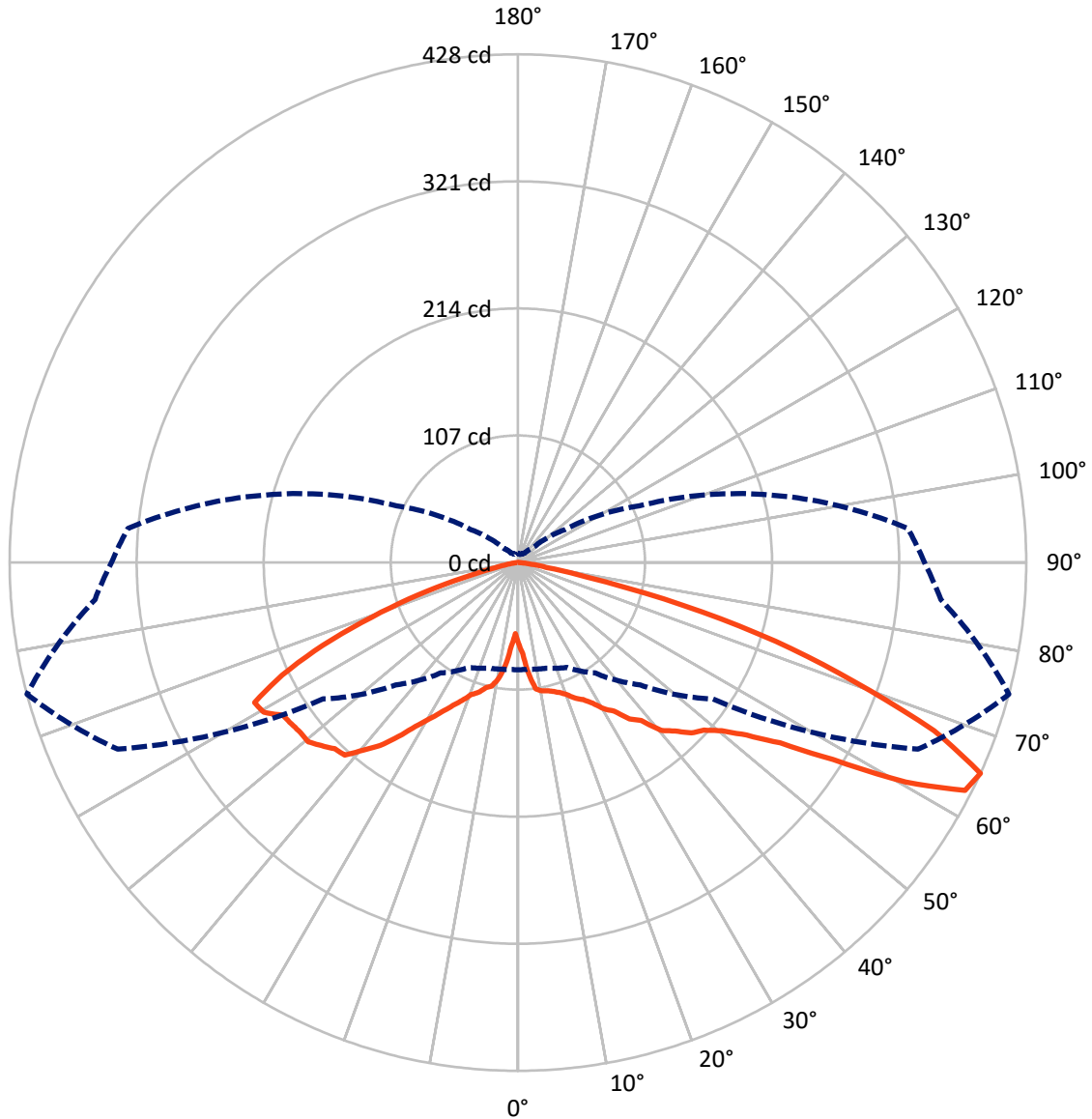
× Max cd  
 - - - 1/2 Max cd



Based on 2 foot mounting height. Maximum calculated value = 29.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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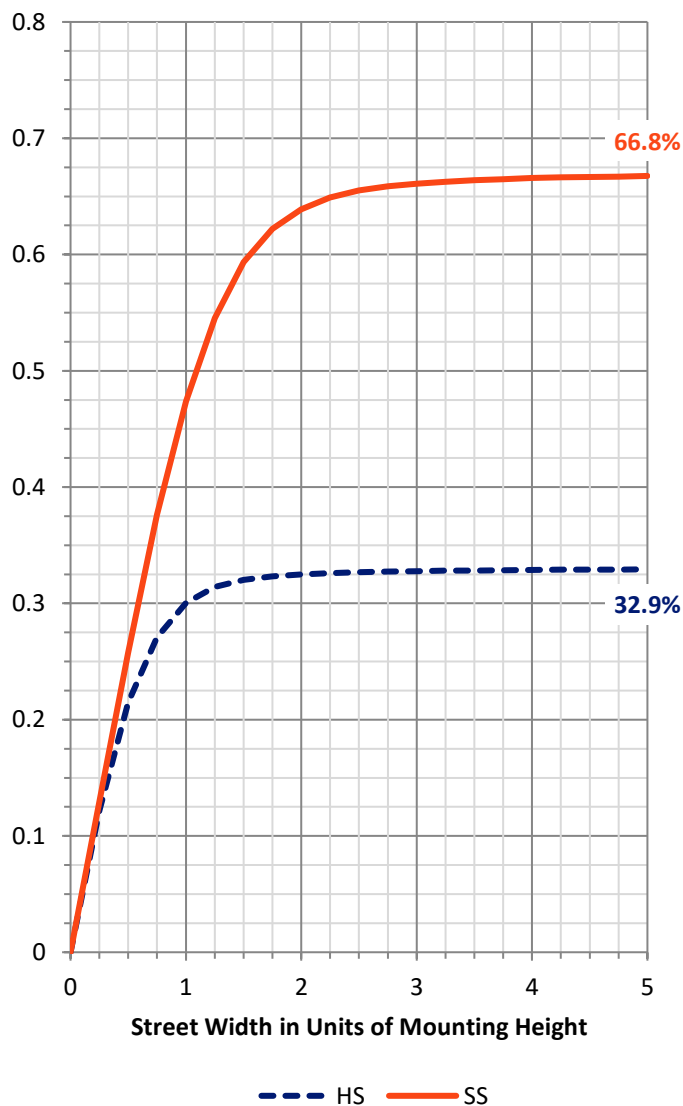
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	207.0	0.0	207.0
	% Fixture	33.1	0.0	33.1
<b>Street Side</b>	Lumens	417.4	0.0	417.4
	% Fixture	66.9	0.0	66.9
<b>Total</b>	Lumens	624.3	0.0	624.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.6	1.2
10°-20°	28.0	4.5
20°-30°	50.3	8.1
30°-40°	81.6	13.1
40°-50°	120.5	19.3
50°-60°	148.5	23.8
60°-70°	138.3	22.2
70°-80°	45.7	7.3
80°-90°	3.8	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°	624.3	100.0
0°-180°	624.3	100.0

**Coefficient of Utilization**



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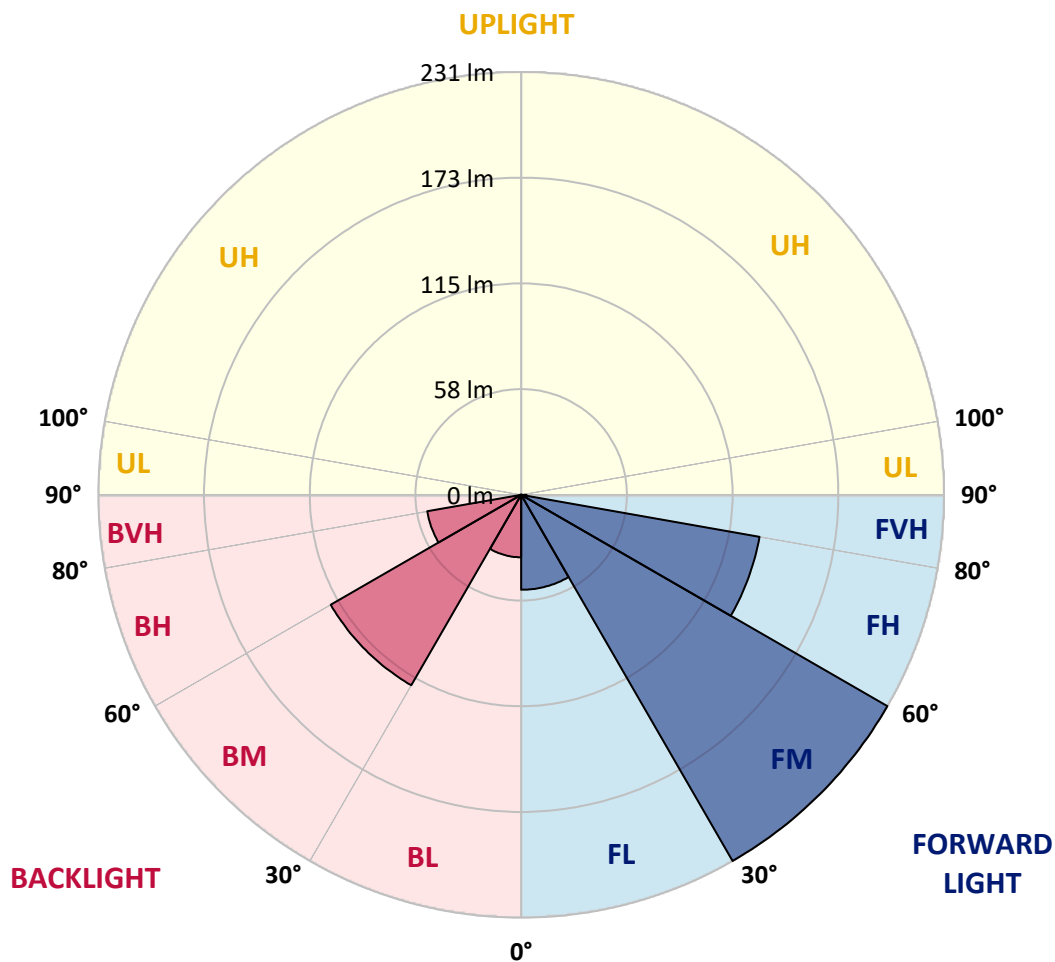
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	51.8	8.3			
FM (30°-60°)	230.7	36.9			
FH (60°-80°)	132.0	21.1			G0/660
FVH (80°-90°)	2.9	0.5			G0/10
BL (0°-30°)	34.1	5.5	B0/110		
BM (30°-60°)	119.9	19.2	B0/220		
BH (60°-80°)	52.1	8.3	B0/110		G0/110
BVH (80°-90°)	0.9	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°	75°	85°	90°
0°	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
2.5°	105.5	105.5	105.5	104.6	101.9	98.4	87.6	80.5	76.9	68.9	68.9
5°	108.2	107.3	110.0	108.2	108.2	107.3	108.2	105.5	93.9	84.9	79.6
7.5°	115.3	114.5	114.5	112.7	112.7	111.8	113.6	110.0	107.3	99.3	93.9
10°	122.5	119.8	122.5	118.9	118.0	117.1	116.2	112.7	110.0	108.2	107.3
12.5°	125.2	124.3	125.2	121.6	118.0	120.7	115.3	111.8	110.9	110.0	109.1
15°	131.4	127.0	124.3	123.4	121.6	119.8	116.2	114.5	112.7	111.8	108.2
17.5°	129.7	124.3	124.3	123.4	122.5	122.5	118.9	117.1	115.3	116.2	114.5
20°	127.0	127.0	123.4	126.1	121.6	124.3	123.4	119.8	118.9	118.9	118.9
22.5°	127.0	125.2	127.9	126.1	125.2	126.1	125.2	124.3	124.3	124.3	124.3
25°	125.2	127.0	127.9	127.9	126.1	125.2	131.4	127.9	127.9	129.7	127.0
27.5°	125.2	125.2	126.1	127.9	126.1	132.3	133.2	135.0	134.1	136.8	135.9
30°	127.9	127.9	127.0	134.1	135.0	139.5	142.2	136.8	143.1	145.7	144.0
32.5°	133.2	131.4	135.9	137.7	140.4	146.6	151.1	149.3	149.3	154.7	153.8
35°	145.7	142.2	144.9	146.6	151.1	157.4	160.9	160.1	161.8	162.7	164.5
37.5°	153.8	151.1	152.0	158.3	160.9	167.2	173.5	168.1	169.0	176.1	176.1
40°	164.5	163.6	166.3	169.9	176.1	182.4	187.8	186.0	186.0	190.5	193.1
42.5°	180.6	179.7	177.0	184.2	188.7	194.9	203.0	201.2	194.0	202.1	204.8
45°	186.0	186.9	186.0	187.8	197.6	206.6	217.3	216.4	204.8	211.0	213.7
47.5°	195.8	190.5	193.1	194.0	203.9	215.5	231.6	231.6	211.0	220.0	223.5
50°	194.9	193.1	195.8	199.4	205.7	223.5	243.2	253.9	222.6	221.8	233.4
52.5°	196.7	192.2	194.9	201.2	208.3	221.8	255.7	277.2	241.4	229.8	240.5
55°	194.0	192.2	199.4	203.9	210.1	224.4	262.9	303.1	268.2	237.0	256.6
57.5°	176.1	174.4	180.6	195.8	209.2	222.6	267.4	329.1	313.0	246.8	274.5
60°	142.2	143.1	148.4	164.5	187.8	215.5	257.5	352.3	375.5	279.0	311.2
62.5°	113.6	113.6	114.5	128.8	153.8	192.2	235.2	363.9	422.9	322.8	346.0
65°	90.3	90.3	92.1	97.5	113.6	145.7	200.3	372.0	428.3	357.7	342.5
67.5°	56.3	55.4	59.9	74.2	82.3	102.8	144.9	329.9	378.2	339.8	301.3
70°	34.0	34.9	35.8	42.9	59.0	77.8	93.0	263.8	300.4	284.3	238.7
72.5°	25.0	25.0	25.9	28.6	36.7	57.2	73.3	183.3	227.1	216.4	172.6
75°	16.1	17.0	17.0	18.8	23.2	33.1	62.6	101.9	144.0	121.6	99.3
77.5°	9.8	9.8	9.8	10.7	13.4	17.0	37.6	58.1	59.0	39.3	31.3
80°	7.2	7.2	7.2	7.2	8.0	8.9	17.0	41.1	24.1	11.6	11.6
82.5°	4.5	4.5	5.4	5.4	5.4	5.4	7.2	18.8	11.6	6.3	6.3
85°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	5.4	4.5	3.6	3.6
87.5°	2.7	2.7	2.7	2.7	2.7	2.7	1.8	1.8	1.8	0.9	0.9
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):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
2.5°	66.2	59.9	53.6	42.9	33.1	30.4	24.1	14.3	6.3	6.3
5°	78.7	70.6	59.9	50.1	34.0	28.6	21.5	13.4	4.5	2.7
7.5°	92.1	87.6	75.1	61.7	51.9	42.9	39.3	22.4	21.5	25.0
10°	106.4	99.3	90.3	77.8	64.4	62.6	58.1	47.4	37.6	33.1
12.5°	110.9	106.4	94.8	84.9	73.3	64.4	59.9	51.0	52.8	55.4
15°	112.7	109.1	96.6	82.3	74.2	61.7	59.0	51.9	51.9	54.5
17.5°	115.3	114.5	100.1	89.4	76.0	62.6	57.2	50.1	51.9	53.6
20°	120.7	118.0	104.6	93.9	79.6	63.5	56.3	45.6	50.1	53.6
22.5°	124.3	125.2	110.0	97.5	82.3	65.3	54.5	51.0	51.9	55.4
25°	134.1	132.3	117.1	102.8	80.5	67.1	59.9	50.1	46.5	55.4
27.5°	137.7	141.3	122.5	107.3	82.3	68.0	59.9	50.1	48.3	52.8
30°	146.6	151.1	131.4	114.5	92.1	69.7	59.9	46.5	50.1	53.6
32.5°	158.3	162.7	140.4	119.8	93.9	69.7	59.0	43.8	49.2	52.8
35°	169.9	177.9	152.9	126.1	94.8	68.0	57.2	42.0	42.0	50.1
37.5°	184.2	193.1	161.8	132.3	95.7	67.1	54.5	43.8	41.1	46.5
40°	201.2	204.8	169.9	133.2	93.0	63.5	51.9	41.1	38.4	42.9
42.5°	215.5	218.2	175.3	131.4	87.6	59.0	47.4	38.4	36.7	40.2
45°	228.0	220.0	176.1	127.9	83.2	55.4	44.7	34.0	34.0	35.8
47.5°	235.2	226.2	171.7	122.5	78.7	49.2	39.3	29.5	30.4	31.3
50°	245.9	232.5	166.3	112.7	70.6	43.8	33.1	25.0	26.8	26.8
52.5°	257.5	232.5	158.3	105.5	60.8	37.6	27.7	21.5	22.4	23.2
55°	267.4	234.3	147.5	95.7	52.8	30.4	22.4	17.9	17.9	17.9
57.5°	286.1	236.1	148.4	88.5	43.8	24.1	17.9	14.3	14.3	15.2
60°	321.9	248.6	144.0	76.9	34.0	17.9	13.4	10.7	11.6	11.6
62.5°	343.4	251.3	135.9	63.5	25.0	13.4	9.8	8.9	9.8	9.8
65°	329.9	220.0	112.7	48.3	17.0	9.8	8.0	7.2	7.2	8.0
67.5°	279.9	178.8	83.2	29.5	12.5	8.9	7.2	6.3	6.3	6.3
70°	216.4	131.4	50.1	17.0	9.8	7.2	6.3	5.4	5.4	5.4
72.5°	157.4	88.5	28.6	11.6	8.0	6.3	4.5	3.6	4.5	4.5
75°	89.4	47.4	14.3	8.9	6.3	4.5	3.6	2.7	2.7	3.6
77.5°	32.2	18.8	8.9	7.2	5.4	3.6	2.7	1.8	1.8	1.8
80°	11.6	9.8	6.3	4.5	3.6	2.7	1.8	1.8	1.8	1.8
82.5°	6.3	5.4	3.6	2.7	1.8	0.9	0.9	0.9	0.9	0.9
85°	3.6	2.7	1.8	1.8	0.9	0.9	0.0	0.0	0.0	0.0
87.5°	0.9	0.9	0.9	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

(END OF REPORT)