

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: P394806

Luminaire Tested: **303-P1-LEDB1-4000-UNV-T5X-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394806
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-15)
Test Lab: INNOVATION CENTER
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-P1-LEDB1-4000-UNV-T5X-DIM10
Description: LUMIERE EON LED LUMINAIRE
PATHWAY, TYPE 5
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 671.2 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Luminous Opening: Rectangular (W 0.38' x L: 0.21' x H: 0')
IES Classification: Type I - Short
BUG Rating: B0 - U0 - G0

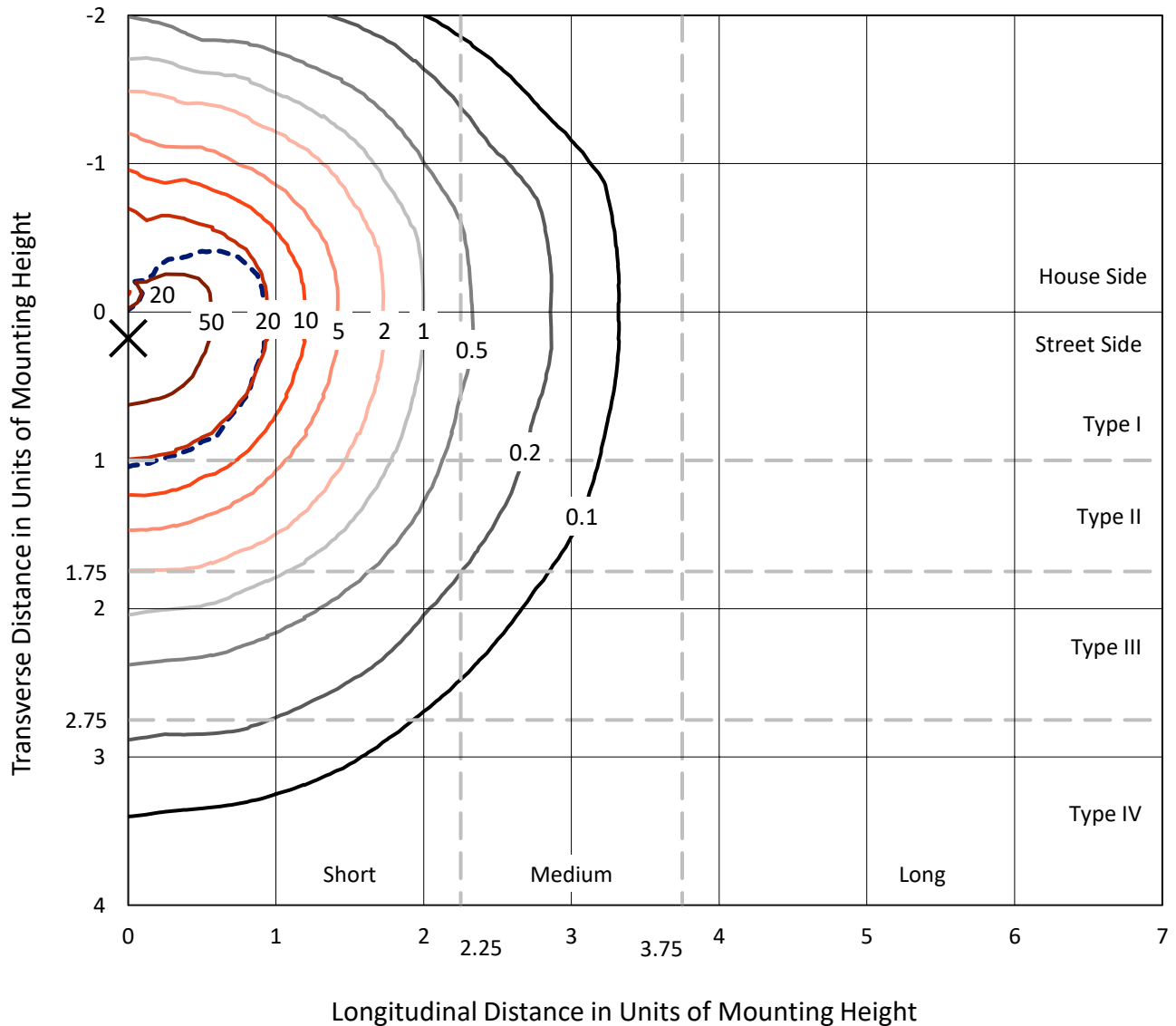
Input Watts (W): 8.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

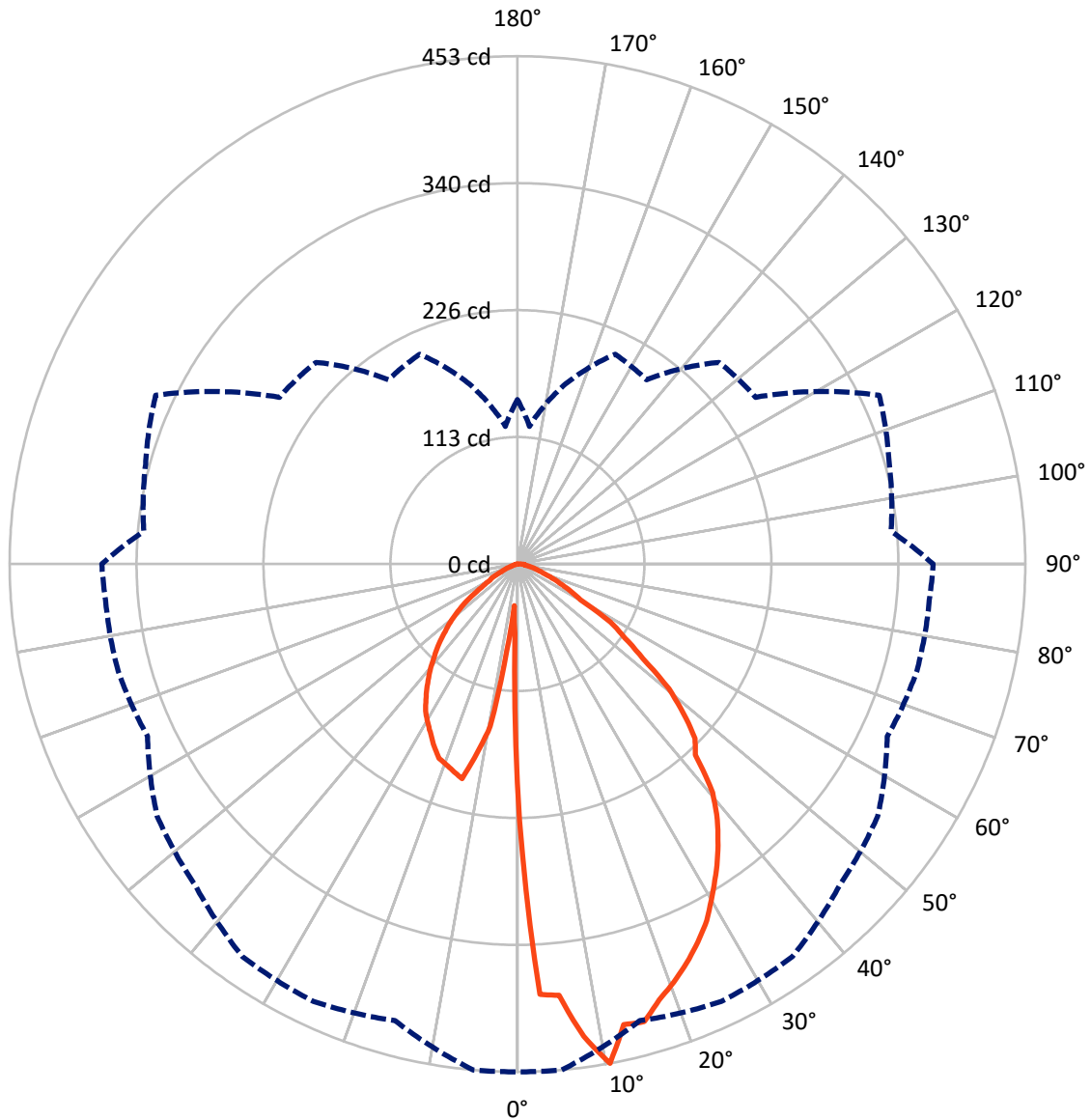
× Max cd
 - - - 1/2 Max cd



Based on 2 foot mounting height. Maximum calculated value = 102.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 10-Deg Vertical

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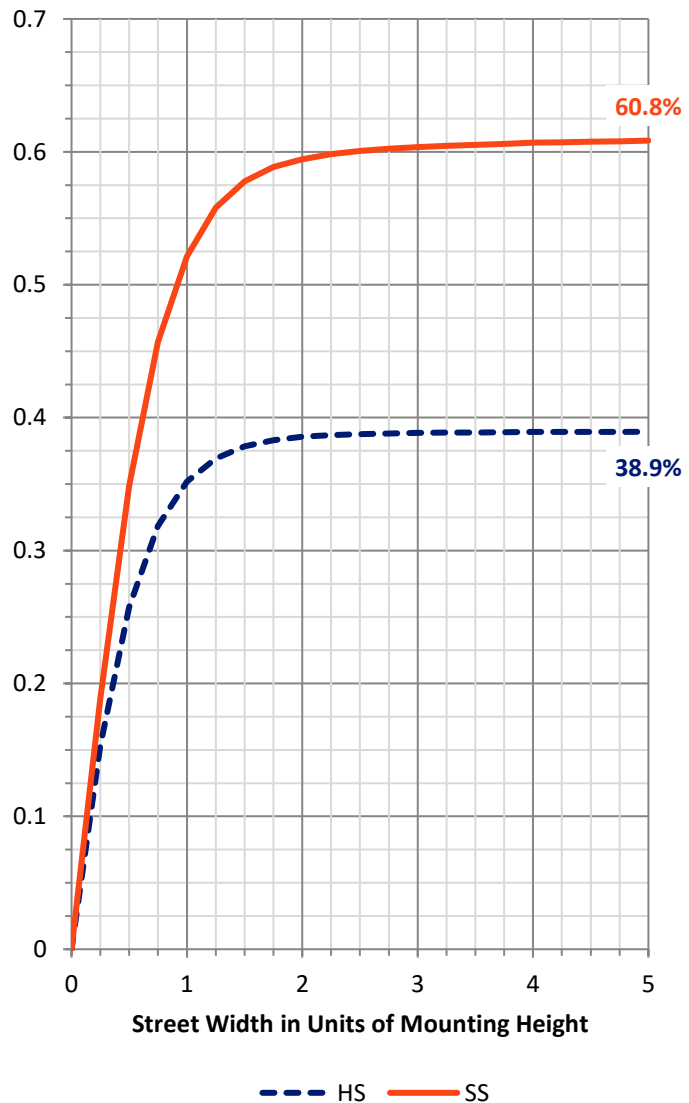
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	263.1	0.0	263.1
	% Fixture	39.2	0.0	39.2
Street Side	Lumens	408.2	0.0	408.2
	% Fixture	60.8	0.0	60.8
Total	Lumens	671.2	0.0	671.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.6	4.0
10°-20°	91.7	13.7
20°-30°	136.0	20.3
30°-40°	150.7	22.4
40°-50°	132.9	19.8
50°-60°	84.7	12.6
60°-70°	34.8	5.2
70°-80°	11.5	1.7
80°-90°	2.4	0.4
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°	671.2	100.0
0°-180°	671.2	100.0

Coefficient of Utilization



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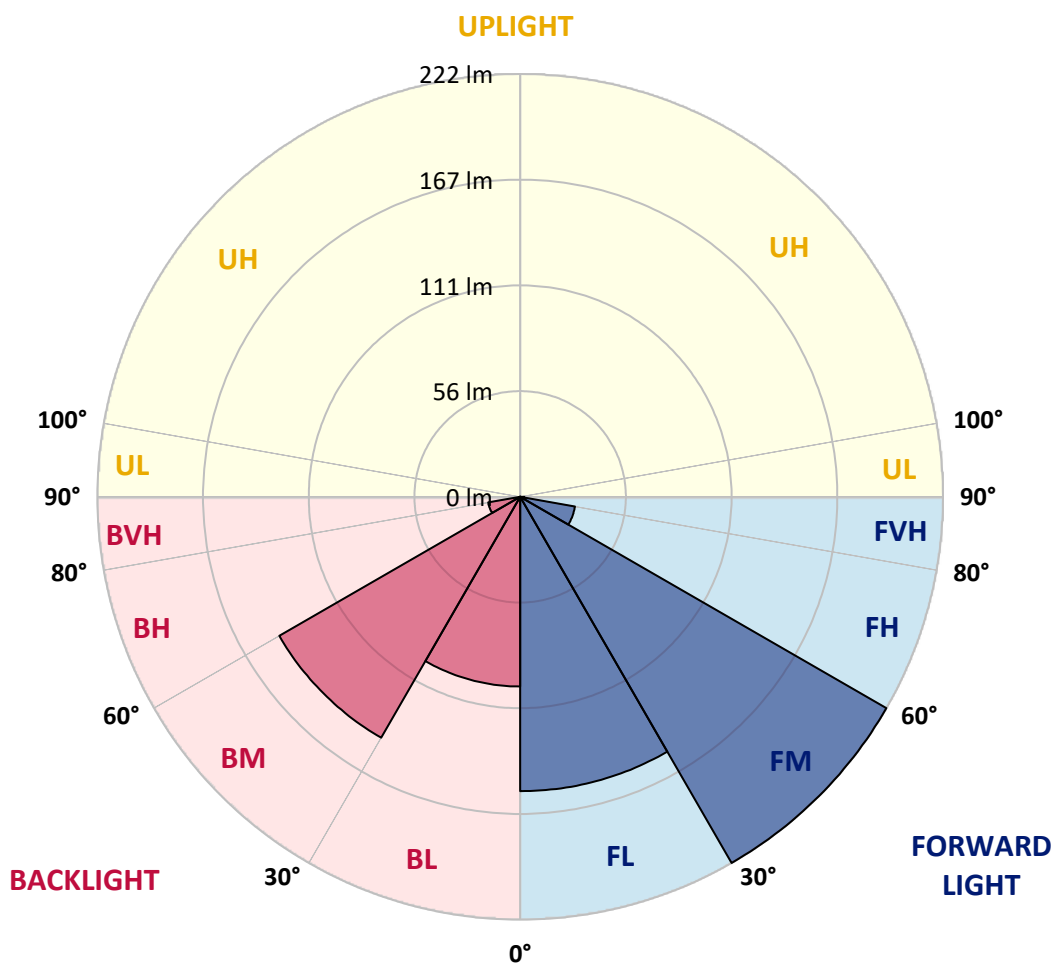
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	154.7	23.0			
FM (30°-60°)	222.2	33.1			
FH (60°-80°)	29.2	4.4			G0/660
FVH (80°-90°)	2.1	0.3			G0/10
BL (0°-30°)	99.6	14.8	B0/110		
BM (30°-60°)	146.1	21.8	B0/220		
BH (60°-80°)	17.1	2.5	B0/110		G0/110
BVH (80°-90°)	0.2	0.0			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 I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	228.9	228.9	228.9	228.9	228.9	228.9	228.9	228.9	228.9	228.9	228.9
2.5°	384.4	380.5	373.6	393.2	382.4	347.2	290.5	270.0	250.4	246.5	241.6
5°	386.4	382.4	376.6	385.4	374.6	376.6	378.5	368.7	317.9	293.4	290.5
7.5°	425.5	403.0	413.7	404.0	384.4	379.5	365.8	361.9	374.6	343.3	347.2
10°	452.9	452.9	421.6	430.4	427.4	405.9	392.2	363.9	368.7	368.7	370.7
12.5°	421.6	433.3	414.7	420.6	434.3	410.8	383.4	368.7	386.4	360.9	354.1
15°	423.5	422.5	411.8	419.6	398.1	397.1	382.4	375.6	368.7	356.0	360.9
17.5°	408.8	423.5	373.6	408.8	420.6	395.2	374.6	360.9	364.8	352.1	322.8
20°	398.1	400.0	375.6	401.0	409.8	378.5	378.5	361.9	347.2	363.9	347.2
22.5°	386.4	384.4	363.9	385.4	397.1	379.5	367.8	350.2	359.0	337.4	333.5
25°	373.6	373.6	363.9	371.7	370.7	354.1	356.0	334.5	336.5	327.7	316.9
27.5°	359.9	359.9	348.2	355.1	348.2	346.2	333.5	323.8	324.7	325.7	314.0
30°	342.3	334.5	333.5	338.4	346.2	331.6	319.8	313.0	310.1	314.0	301.3
32.5°	325.7	324.7	314.0	323.8	322.8	309.1	298.3	295.4	292.5	298.3	284.6
35°	308.1	308.1	299.3	305.2	299.3	297.3	285.6	278.8	266.0	274.8	270.0
37.5°	289.5	278.8	278.8	276.8	279.7	274.8	270.9	255.3	256.3	255.3	245.5
40°	268.0	267.0	259.2	257.2	258.2	254.3	250.4	236.7	238.7	235.7	230.8
42.5°	232.8	241.6	249.4	243.5	238.7	241.6	228.9	218.1	219.1	220.1	212.2
45°	222.0	222.0	213.2	210.3	215.2	204.4	206.4	197.6	203.4	194.6	193.7
47.5°	199.5	188.8	190.7	192.7	199.5	177.0	184.9	180.0	180.0	183.9	174.1
50°	175.1	173.1	175.1	158.5	174.1	164.3	160.4	157.5	150.6	158.5	152.6
52.5°	139.9	148.7	145.7	145.7	145.7	146.7	137.9	130.1	137.9	129.1	126.2
55°	116.4	118.4	119.3	120.3	120.3	113.5	112.5	106.6	105.6	104.7	99.8
57.5°	97.8	96.8	98.8	96.8	98.8	94.9	92.9	85.1	85.1	83.1	78.2
60°	64.6	64.6	73.4	74.3	78.2	74.3	70.4	67.5	64.6	65.5	61.6
62.5°	52.8	50.9	52.8	50.9	57.7	57.7	53.8	52.8	49.9	49.9	48.9
65°	42.1	39.1	43.0	42.1	43.0	44.0	43.0	40.1	37.2	38.1	37.2
67.5°	33.3	32.3	33.3	33.3	33.3	34.2	33.3	31.3	29.3	31.3	30.3
70°	24.5	23.5	26.4	25.4	26.4	23.5	23.5	23.5	22.5	24.5	23.5
72.5°	19.6	18.6	19.6	19.6	18.6	18.6	18.6	19.6	18.6	18.6	18.6
75°	15.6	15.6	15.6	15.6	14.7	13.7	12.7	13.7	12.7	12.7	11.7
77.5°	11.7	11.7	12.7	11.7	10.8	10.8	8.8	9.8	8.8	8.8	8.8
80°	8.8	8.8	8.8	8.8	8.8	7.8	6.8	5.9	5.9	4.9	4.9
82.5°	6.8	6.8	6.8	6.8	5.9	5.9	4.9	3.9	2.9	2.9	2.0
85°	5.9	5.9	5.9	4.9	4.9	3.9	2.9	2.0	2.0	1.0	0.0
87.5°	4.9	4.9	4.9	4.9	3.9	2.9	2.9	2.0	1.0	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



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	228.9	228.9	228.9	228.9	228.9	228.9	228.9	228.9	228.9	228.9
2.5°	243.5	243.5	179.0	136.0	99.8	57.7	58.7	53.8	54.8	61.6
5°	296.4	234.7	176.1	144.8	159.4	104.7	67.5	50.9	46.9	37.2
7.5°	326.7	283.6	272.9	220.1	187.8	180.9	104.7	99.8	84.1	77.3
10°	334.5	343.3	356.0	259.2	254.3	200.5	206.4	166.3	123.2	146.7
12.5°	363.9	362.9	338.4	283.6	255.3	231.8	220.1	172.1	163.3	172.1
15°	348.2	358.0	322.8	264.1	239.6	218.1	192.7	161.4	169.2	197.6
17.5°	351.1	336.5	336.5	273.9	249.4	220.1	184.9	171.2	175.1	193.7
20°	341.4	344.3	319.8	274.8	238.7	206.4	199.5	164.3	173.1	189.8
22.5°	334.5	323.8	312.0	273.9	229.9	213.2	195.6	158.5	165.3	186.8
25°	323.8	322.8	310.1	252.4	222.0	197.6	188.8	151.6	154.5	179.0
27.5°	314.0	315.9	297.3	244.5	210.3	195.6	183.9	137.9	148.7	170.2
30°	299.3	297.3	278.8	243.5	204.4	180.9	173.1	134.0	136.0	162.4
32.5°	286.6	283.6	262.1	221.1	200.5	171.2	164.3	130.1	133.0	154.5
35°	260.2	265.1	247.5	216.2	188.8	160.4	159.4	119.3	129.1	143.8
37.5°	250.4	240.6	234.7	200.5	165.3	148.7	141.8	112.5	113.5	133.0
40°	235.7	223.0	214.2	184.9	157.5	137.9	126.2	106.6	105.6	122.3
42.5°	211.3	212.2	195.6	163.3	147.7	122.3	120.3	93.9	99.8	110.5
45°	191.7	192.7	175.1	150.6	133.0	111.5	106.6	84.1	88.0	99.8
47.5°	171.2	172.1	153.6	136.0	118.4	96.8	94.9	72.4	78.2	88.0
50°	155.5	148.7	133.0	117.4	99.8	85.1	82.2	64.6	68.5	77.3
52.5°	124.2	131.1	113.5	97.8	86.1	71.4	68.5	57.7	58.7	65.5
55°	104.7	102.7	91.0	84.1	68.5	58.7	55.8	45.0	48.9	52.8
57.5°	79.2	84.1	73.4	66.5	56.7	46.9	45.0	38.1	40.1	38.1
60°	63.6	64.6	56.7	52.8	45.0	36.2	33.3	25.4	30.3	28.4
62.5°	48.9	50.9	44.0	41.1	34.2	28.4	24.5	18.6	23.5	25.4
65°	38.1	39.1	33.3	30.3	26.4	20.5	16.6	11.7	13.7	15.6
67.5°	29.3	30.3	24.5	22.5	19.6	14.7	10.8	8.8	9.8	11.7
70°	24.5	24.5	17.6	14.7	11.7	7.8	6.8	4.9	6.8	6.8
72.5°	18.6	18.6	13.7	10.8	7.8	5.9	4.9	3.9	4.9	4.9
75°	12.7	13.7	9.8	6.8	4.9	3.9	3.9	2.0	2.9	2.0
77.5°	7.8	7.8	4.9	3.9	2.9	2.0	2.0	1.0	1.0	1.0
80°	4.9	4.9	2.9	2.0	2.0	1.0	1.0	0.0	0.0	0.0
82.5°	2.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	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
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)