

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: P394772

Luminaire Tested: **303-B2-LEDB4-TSAM-UNV-T4-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394772
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (Compare Roadway Adding Tool)
Test Lab: INNOVATION CENTER
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-B2-LEDB4-TSAM-UNV-T4-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, DUAL HEAD, FOUR LIGHTBAR, TYPE 4
Light Source: AMBER LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 779.8 lumens
Efficiency: N/A
Efficacy: 32.5 lumens/watt
Luminous Opening: Rectangular (W 0.38' x L: 1.06' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

Input Watts (W): 24
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

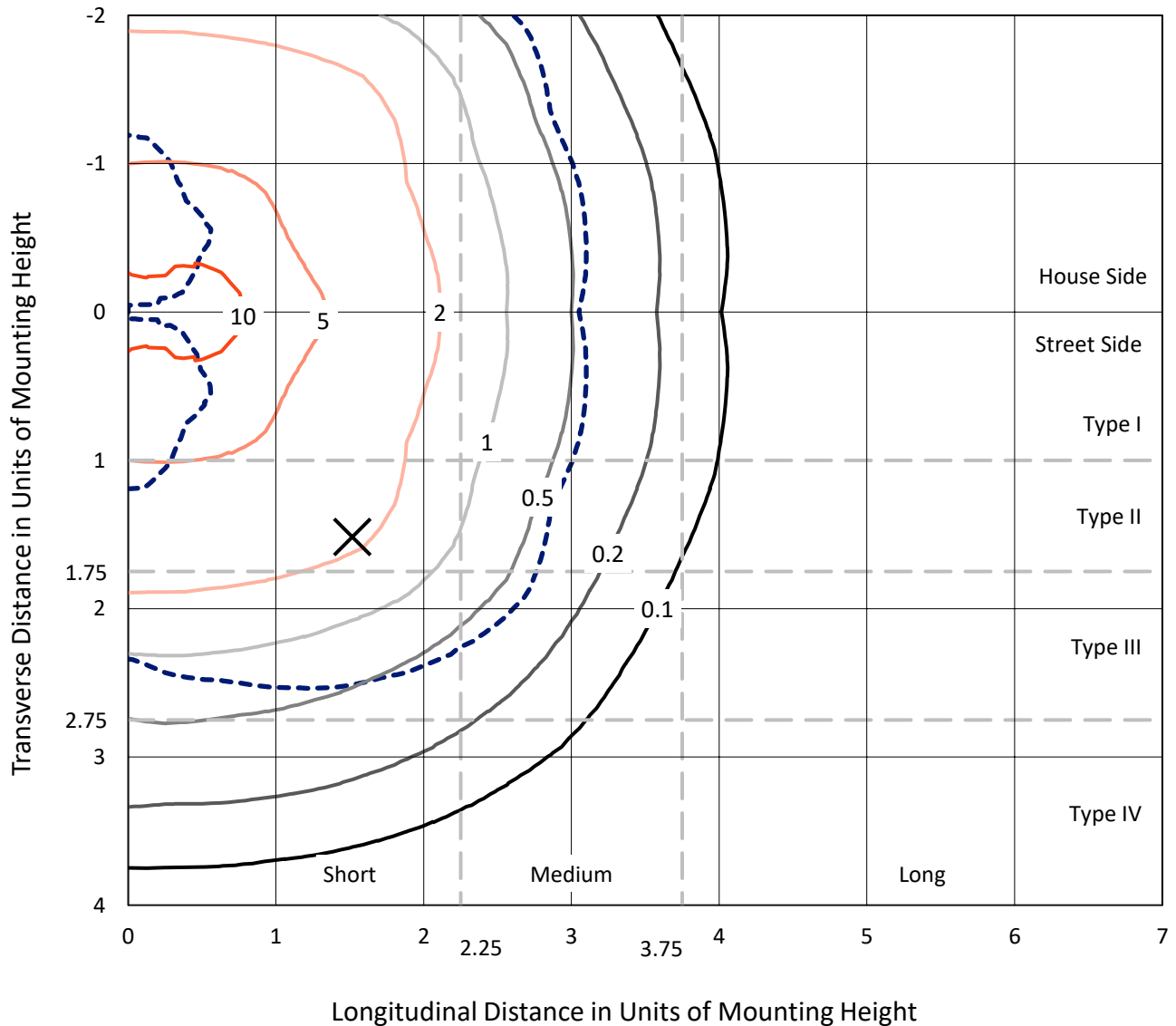


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Iso-Footcandle Lines of Horizontal Illumination

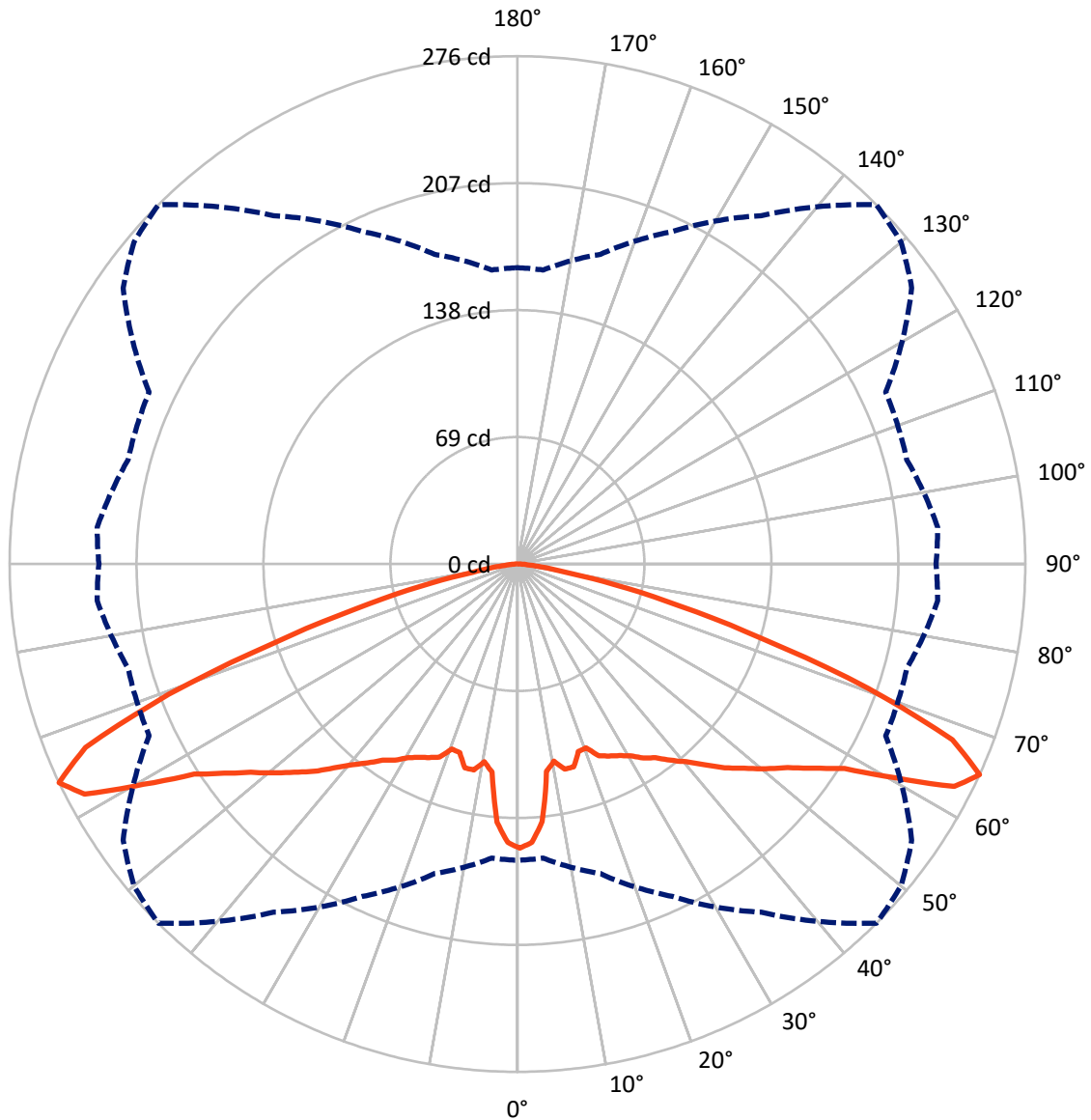
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 17.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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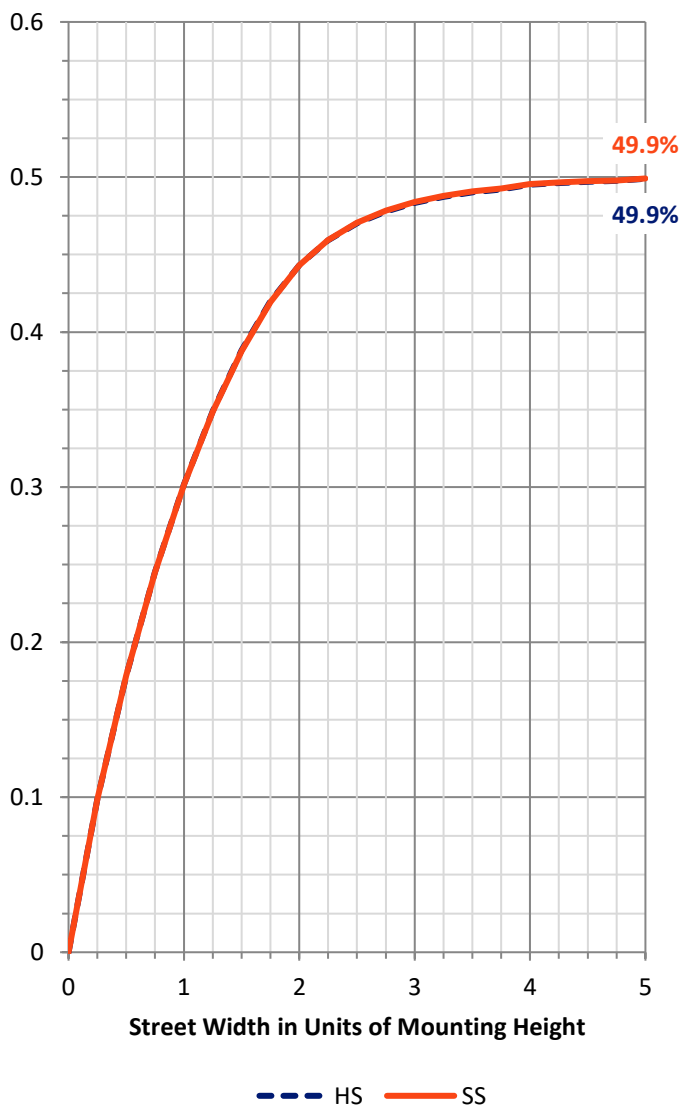
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	389.9	0.0	389.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	389.9	0.0	389.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	779.8	0.0	779.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.7	1.6
10°-20°	34.1	4.4
20°-30°	57.5	7.4
30°-40°	88.6	11.4
40°-50°	121.3	15.6
50°-60°	164.4	21.1
60°-70°	204.9	26.3
70°-80°	89.0	11.4
80°-90°	7.4	0.9
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°	779.8	100.0
0°-180°	779.8	100.0

Coefficient of Utilization



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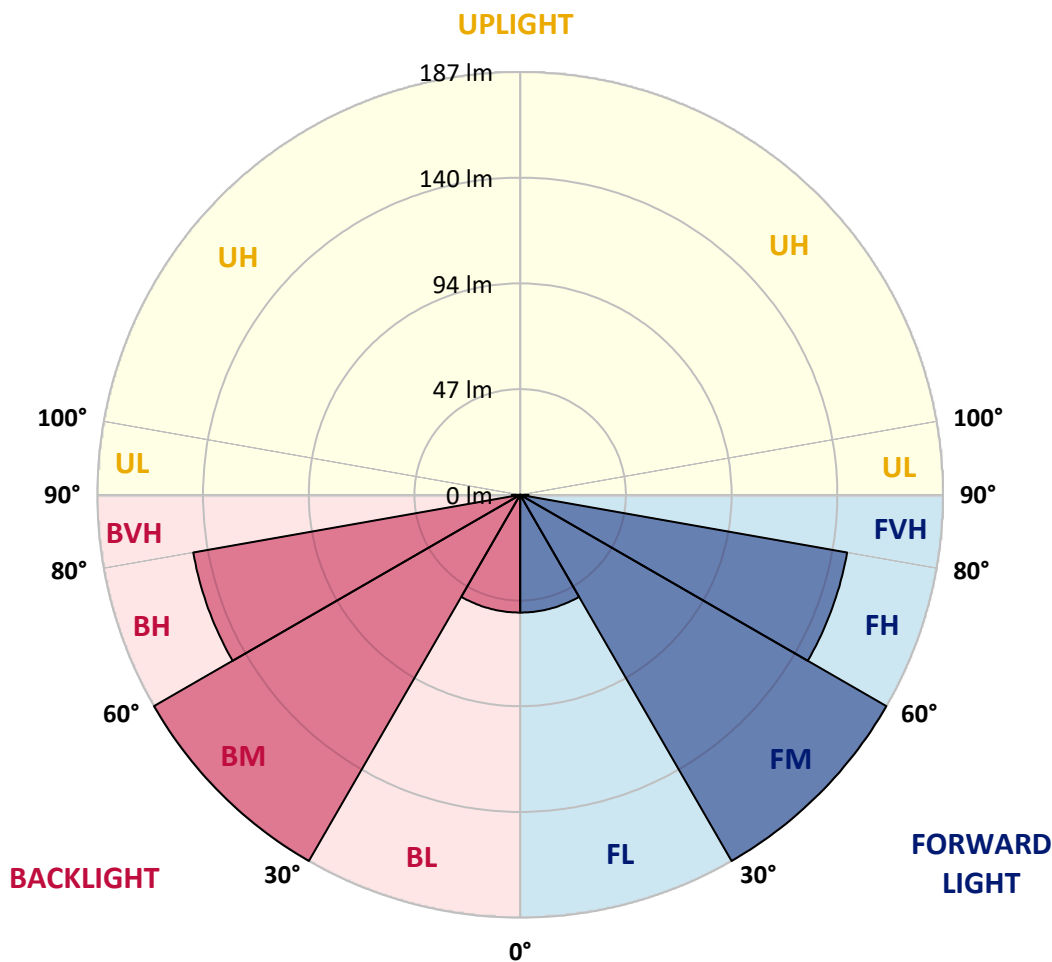
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	52.1	6.7			
FM	(30°-60°)	187.2	24.0			
FH	(60°-80°)	146.9	18.8			G0/660
FVH	(80°-90°)	3.7	0.5			G0/10
BL	(0°-30°)	52.1	6.7	B0/110		
BM	(30°-60°)	187.2	24.0	B0/220		
BH	(60°-80°)	146.9	18.8	B1/500		G0/660
BVH	(80°-90°)	3.7	0.5			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	154.3	154.3	154.3	154.3	154.3	154.3	154.3	154.3	154.3	154.3	154.3
2.5°	150.2	147.2	148.1	149.0	147.5	146.0	147.2	148.4	149.9	151.3	151.9
5°	113.1	114.3	116.1	117.8	119.6	121.4	127.7	134.0	137.3	140.6	143.6
7.5°	107.7	107.1	105.3	103.5	102.6	101.7	102.6	103.5	108.6	113.7	125.9
10°	109.5	108.9	108.9	108.9	109.2	109.5	109.2	108.9	108.9	108.9	112.5
12.5°	99.9	98.1	99.3	100.5	101.4	102.3	105.6	108.9	111.6	114.3	119.0
15°	98.7	98.1	97.8	97.5	97.5	97.5	98.7	99.9	107.1	114.3	122.0
17.5°	102.3	101.1	100.5	99.9	99.0	98.1	98.1	98.1	102.6	107.1	117.8
20°	105.3	102.9	102.3	101.7	101.4	101.1	100.8	100.5	103.5	106.5	116.3
22.5°	105.3	103.5	103.8	104.1	103.5	102.9	104.1	105.3	109.2	113.1	118.0
25°	106.5	105.3	105.0	104.7	105.0	105.3	105.6	105.9	110.7	115.5	123.5
27.5°	107.7	105.9	106.5	107.1	107.4	107.7	108.6	109.5	113.7	117.8	128.1
30°	110.1	108.9	109.8	110.7	111.0	111.3	111.3	111.3	116.1	120.8	131.5
32.5°	114.3	111.9	114.3	116.7	116.7	116.7	116.1	115.5	120.5	125.6	135.3
35°	119.0	118.4	119.3	120.2	121.7	123.2	123.8	124.4	126.8	129.2	139.0
37.5°	122.6	120.8	122.3	123.8	126.2	128.6	129.8	131.0	133.1	135.2	143.2
40°	124.4	123.2	125.9	128.6	132.2	135.8	137.6	139.4	140.3	141.2	148.2
42.5°	125.0	123.8	128.0	132.2	135.8	139.4	143.0	146.6	147.8	149.0	154.6
45°	127.4	128.6	131.6	134.6	138.5	142.4	147.5	152.5	155.2	157.9	160.4
47.5°	133.4	132.8	135.5	138.2	142.7	147.2	153.7	160.3	163.0	165.7	166.0
50°	135.2	137.0	140.6	144.2	148.1	151.9	158.5	165.1	169.9	174.7	176.1
52.5°	144.8	142.4	146.0	149.6	154.0	158.5	165.7	172.9	178.3	183.7	184.7
55°	147.8	154.3	156.7	159.1	163.9	168.7	176.2	183.7	189.6	195.6	193.8
57.5°	165.7	164.5	167.8	171.1	175.9	180.7	185.7	190.8	200.1	209.4	208.0
60°	175.9	174.1	179.8	185.4	192.0	198.6	206.4	214.2	224.9	235.7	230.1
62.5°	177.7	177.7	182.8	187.8	197.1	206.4	221.0	235.7	250.9	266.2	259.8
65°	160.9	160.3	167.2	174.1	186.6	199.2	215.1	230.9	253.3	275.8	271.9
67.5°	129.2	138.2	143.9	149.6	159.7	169.9	186.6	203.4	229.1	254.8	255.3
70°	111.3	119.6	122.3	125.0	133.1	141.2	152.5	163.9	183.1	202.2	210.6
72.5°	86.7	84.3	90.0	95.7	103.2	110.7	116.7	122.6	131.0	139.4	148.2
75°	53.2	53.8	56.5	59.2	64.6	70.0	76.6	83.2	87.0	90.9	91.4
77.5°	28.1	28.7	30.5	32.3	35.0	37.7	41.0	44.3	49.1	53.8	53.1
80°	16.7	16.7	17.6	18.5	19.4	20.3	22.1	23.9	24.2	24.5	25.1
82.5°	7.8	9.0	9.3	9.6	9.9	10.2	11.1	12.0	12.6	13.2	12.2
85°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	5.1	5.4	4.9
87.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.3	3.0	3.0	3.0	2.5
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°
0°	154.3	154.3	154.3	154.3	154.3	154.3	154.3	154.3
2.5°	152.5	159.1	165.7	160.6	155.5	154.6	153.7	153.1
5°	144.8	148.4	151.9	157.9	163.9	160.3	156.7	156.7
7.5°	138.8	143.3	147.8	152.8	157.9	158.2	158.5	156.7
10°	116.7	130.7	144.8	149.9	154.9	155.5	156.1	157.9
12.5°	121.4	127.7	134.0	144.2	154.3	155.5	156.7	157.9
15°	128.6	129.2	129.8	141.8	153.7	155.2	156.7	157.9
17.5°	127.4	131.0	134.6	142.4	150.2	152.5	154.9	154.3
20°	124.4	131.0	137.6	138.5	139.4	147.2	154.9	155.5
22.5°	123.2	131.9	140.6	140.0	139.4	146.9	154.3	153.1
25°	129.8	136.4	143.0	143.3	143.6	149.0	154.3	154.3
27.5°	136.4	140.3	144.2	148.7	153.1	157.3	161.5	157.9
30°	140.0	143.3	146.6	152.2	157.9	161.5	165.1	163.9
32.5°	143.0	149.3	155.5	160.0	164.5	168.7	172.9	172.3
35°	147.2	152.8	158.5	164.2	169.9	175.3	180.7	180.7
37.5°	149.6	154.9	160.3	167.2	174.1	179.5	184.8	184.2
40°	153.7	157.3	160.9	167.2	173.5	180.7	187.8	186.6
42.5°	157.9	160.0	162.1	167.5	172.9	180.1	187.2	187.8
45°	160.9	162.1	163.3	167.8	172.3	181.3	190.2	190.2
47.5°	163.9	164.2	164.5	168.7	172.9	182.2	191.4	195.0
50°	172.9	170.5	168.1	172.3	176.5	186.0	195.6	201.0
52.5°	180.7	176.5	172.3	176.2	180.1	190.8	201.6	208.2
55°	189.6	184.0	178.3	182.2	186.0	198.6	211.2	213.0
57.5°	202.2	196.2	190.2	194.4	198.6	209.4	220.1	223.7
60°	220.7	212.1	203.4	207.6	211.8	221.6	231.5	235.7
62.5°	247.1	234.5	221.9	221.9	221.9	230.6	239.3	236.9
65°	261.4	241.1	220.7	219.8	218.9	224.0	229.1	227.3
67.5°	247.1	227.9	208.8	206.1	203.4	205.5	207.6	202.2
70°	211.8	194.7	177.7	176.2	174.7	173.8	172.9	167.5
72.5°	154.3	145.1	135.8	137.0	138.2	135.2	132.2	126.8
75°	89.7	89.1	88.5	90.0	91.5	88.8	86.1	80.2
77.5°	50.2	48.5	46.7	47.6	48.5	46.7	44.9	39.5
80°	25.7	23.3	20.9	21.8	22.7	19.1	15.6	12.0
82.5°	10.8	10.5	10.2	9.6	9.0	7.8	6.6	6.0
85°	4.2	4.2	4.2	3.9	3.6	3.0	2.4	2.4
87.5°	2.4	2.1	1.8	1.2	0.6	0.6	0.6	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)