

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: INVUE

Report Number: P553708

Luminaire Tested: **LXS-VA1-830-U-ASC-C**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553708
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-8-R2)
Test Lab: INNOVATION CENTER
Issue Date: 7/13/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: LXS-VA1-830-U-ASC-C
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
80 CRI, 3000K LEDS AND TYPE II OPTIC, CANTILEVER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1675 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 24
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: 28.75 FT

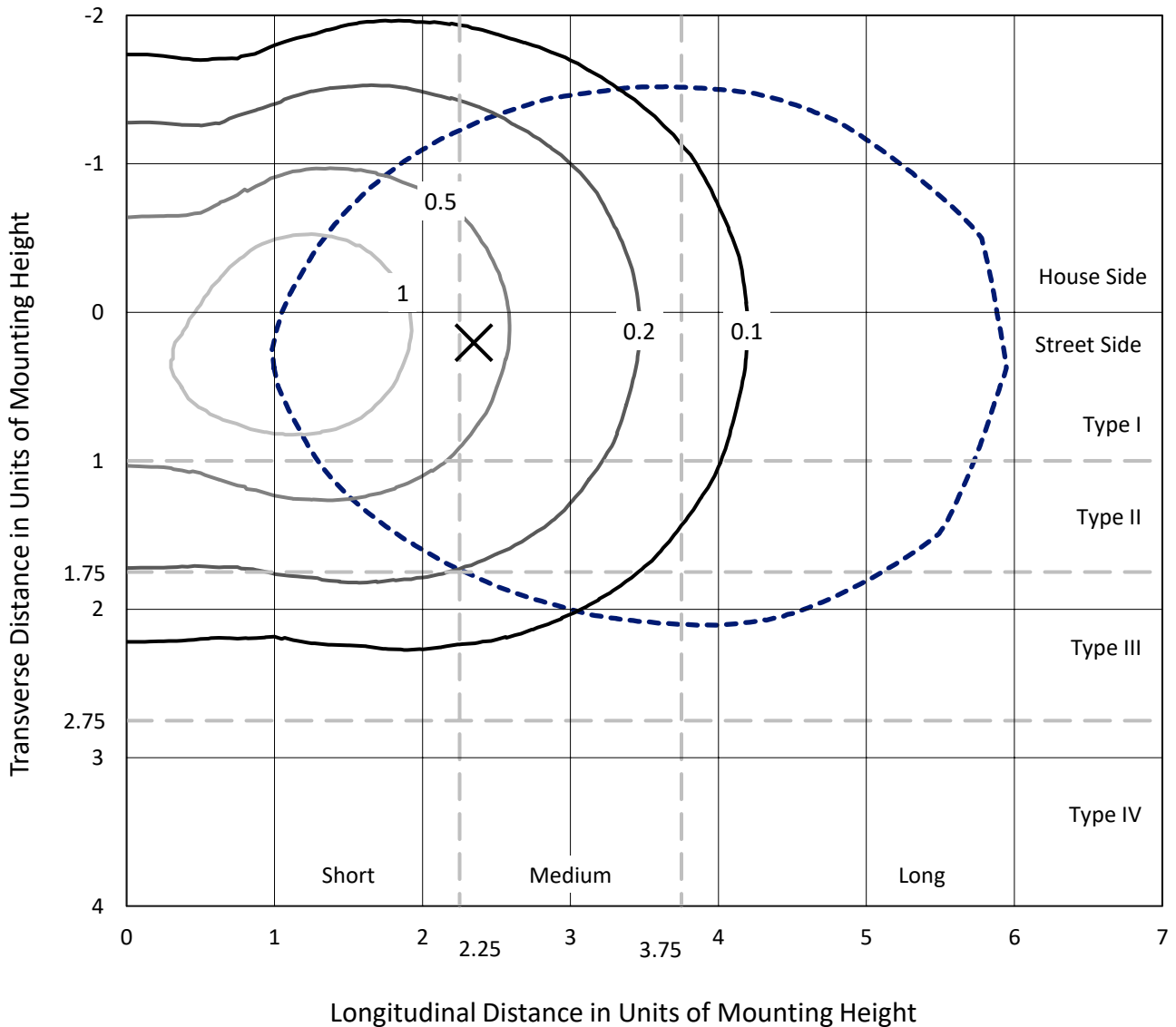


REPORT NUMBER: P553708

CATALOG NUMBER: LXS-VA1-830-U-ASC-C

Iso-Footcandle Lines of Horizontal Illumination

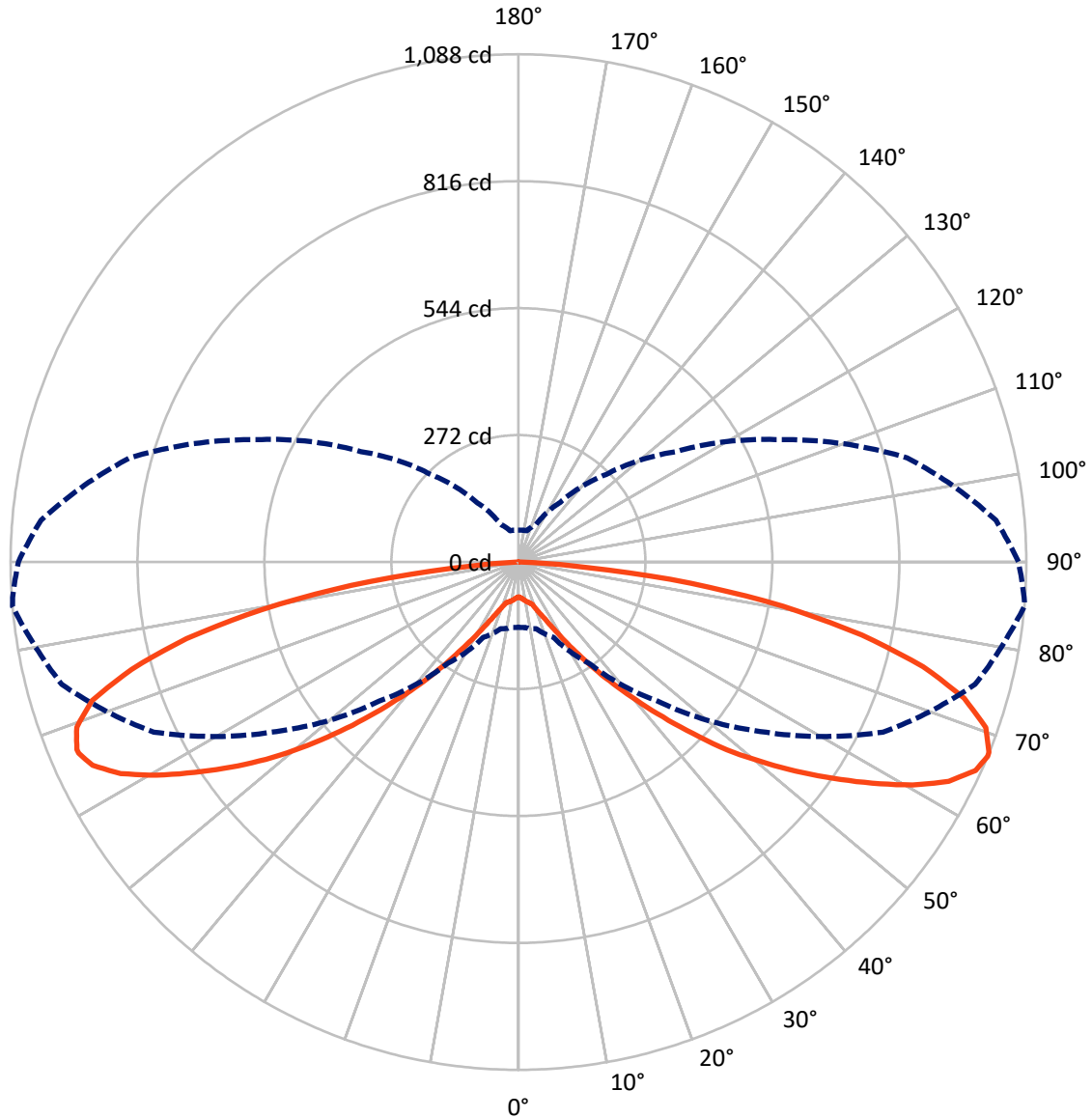
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Medium - N/A

REPORT NUMBER: P553708
CATALOG NUMBER: LXS-VA1-830-U-ASC-C

Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P553708

CATALOG NUMBER: LXS-VA1-830-U-ASC-C

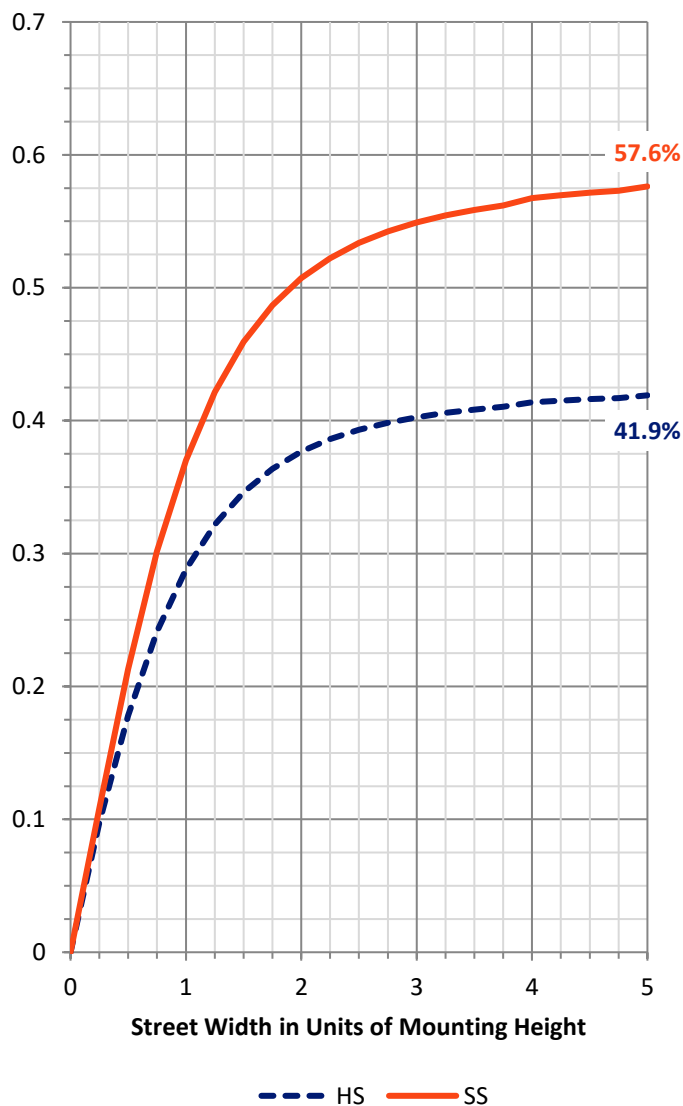
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	705.2	0.0	705.2
	% Fixture	42.1	0.0	42.1
Street Side	Lumens	969.8	0.0	969.8
	% Fixture	57.9	0.0	57.9
Total	Lumens	1675.0	0.0	1675.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.6	0.5
10°-20°	25.0	1.5
20°-30°	54.3	3.2
30°-40°	112.6	6.7
40°-50°	210.0	12.5
50°-60°	340.9	20.4
60°-70°	450.5	26.9
70°-80°	382.3	22.8
80°-90°	91.7	5.5
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°	1675.0	100.0
0°-180°	1675.0	100.0

Coefficient of Utilization



REPORT NUMBER: P553708

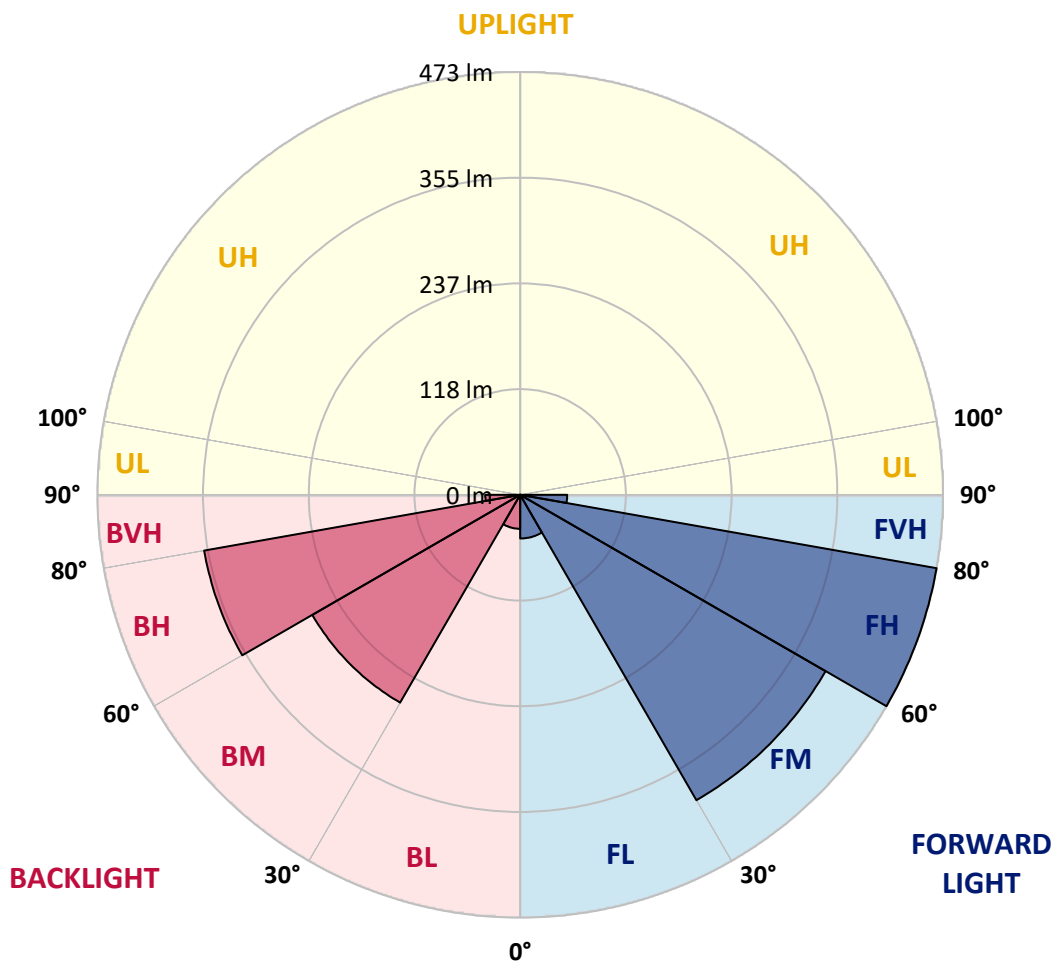
CATALOG NUMBER: LXS-VA1-830-U-ASC-C

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	48.9	2.9			
FM	(30°-60°)	394.9	23.6			
FH	(60°-80°)	473.4	28.3			G0/660
FVH	(80°-90°)	52.6	3.1			G1/100
BL	(0°-30°)	38.0	2.3	B0/110		
BM	(30°-60°)	268.7	16.0	B1/1000		
BH	(60°-80°)	359.3	21.5	B1/500		G1/500
BVH	(80°-90°)	39.1	2.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium





REPORT NUMBER: P553708

CATALOG NUMBER: LXS-VA1-830-U-ASC-C

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	86°
0°	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
2.5°	76.1	77.0	77.0	77.0	77.0	77.0	76.1	76.1	76.1	76.1	76.1
5°	79.5	79.5	79.5	79.5	79.5	79.5	79.5	78.6	78.6	78.6	78.6
7.5°	81.2	81.2	81.2	82.0	82.8	82.8	82.8	82.0	81.2	81.2	81.2
10°	82.0	82.0	82.8	83.7	85.3	86.2	86.2	86.2	84.5	84.5	84.5
12.5°	85.3	85.3	85.3	87.0	88.7	90.4	91.2	91.2	88.7	87.8	87.8
15°	88.7	88.7	89.5	91.2	93.7	95.4	95.4	96.2	93.7	91.2	90.4
17.5°	93.7	93.7	94.5	97.0	100.4	101.2	101.2	101.2	98.7	94.5	94.5
20°	101.2	101.2	102.9	105.4	108.8	111.3	113.8	112.9	111.3	106.2	105.4
22.5°	105.4	106.2	108.8	112.9	118.8	123.0	128.8	128.8	128.0	120.5	120.5
25°	109.6	109.6	112.1	118.8	128.8	137.2	148.1	150.6	148.1	138.9	138.0
27.5°	115.5	115.5	118.8	125.5	138.0	153.9	169.0	179.0	176.5	162.3	160.6
30°	122.1	122.1	126.3	135.5	148.9	171.5	194.9	214.2	213.3	195.8	194.9
32.5°	129.7	129.7	133.9	143.9	163.1	188.2	223.4	249.3	253.5	235.1	235.1
35°	139.7	140.5	144.7	153.9	177.4	210.0	253.5	287.0	297.0	280.3	278.6
37.5°	143.1	143.9	150.6	165.6	190.7	236.8	284.4	329.6	348.0	331.3	327.9
40°	145.6	146.4	153.1	171.5	205.0	258.5	317.1	377.3	404.9	389.0	384.8
42.5°	148.1	148.9	155.6	174.9	217.5	277.8	350.5	428.3	467.7	453.4	449.3
45°	148.1	148.9	157.3	178.2	227.6	296.2	386.5	478.5	532.1	523.7	520.4
47.5°	148.1	148.9	158.1	183.2	234.2	317.9	422.5	528.7	594.0	600.7	593.2
50°	152.3	153.9	162.3	186.6	246.8	341.3	457.6	579.8	656.7	671.0	665.9
52.5°	153.1	153.9	164.0	190.7	258.5	363.1	493.6	631.6	722.8	743.7	737.0
55°	159.0	159.0	167.3	196.6	267.7	384.8	532.1	684.3	795.6	817.4	813.2
57.5°	159.8	161.5	169.0	199.1	276.9	408.3	573.9	738.7	863.4	893.5	887.6
60°	157.3	158.1	167.3	197.4	281.9	425.0	608.2	792.3	922.8	969.6	963.8
62.5°	152.3	153.1	162.3	194.1	281.1	431.7	630.8	834.1	969.6	1034.0	1028.2
65°	146.4	147.2	155.6	186.6	274.4	429.2	637.5	858.4	1003.1	1075.9	1073.4
67°	139.7	140.5	148.1	178.2	265.2	420.8	632.5	861.7	1012.3	1087.6	1085.9
67.5°	137.2	138.9	146.4	175.7	262.7	417.5	629.1	860.0	1012.3	1086.8	1085.9
70°	126.3	127.2	134.7	161.5	246.0	396.6	604.9	833.3	993.1	1061.7	1063.3
72.5°	112.9	113.8	119.6	144.7	224.2	364.8	563.9	780.6	935.3	998.1	1002.3
75°	97.9	98.7	103.7	126.3	193.3	321.3	503.6	697.7	843.3	895.2	894.3
77.5°	81.2	81.2	85.3	102.9	159.8	266.9	424.2	588.1	710.3	751.3	751.3
80°	61.9	62.7	66.1	77.0	120.5	200.8	327.1	457.6	545.5	573.9	580.6
82.5°	41.0	41.8	44.3	49.4	77.8	130.5	214.2	302.9	358.1	372.3	377.3
85°	20.1	18.4	20.1	22.6	33.5	52.7	88.7	119.6	148.9	147.2	155.6
87.5°	3.3	3.3	3.3	3.3	3.3	2.5	2.5	2.5	2.5	1.7	1.7
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: P553708
 CATALOG NUMBER: LXS-VA1-830-U-ASC-C

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
2.5°	76.1	76.1	76.1	76.1	76.1	76.1	76.1	75.3	75.3	75.3	75.3
5°	78.6	77.8	77.8	77.8	77.0	76.1	76.1	75.3	75.3	75.3	74.5
7.5°	81.2	81.2	80.3	78.6	77.8	77.0	77.0	76.1	76.1	76.1	76.1
10°	83.7	83.7	82.0	81.2	79.5	78.6	78.6	77.8	77.0	76.1	76.1
12.5°	87.0	86.2	83.7	82.0	81.2	81.2	79.5	77.8	77.0	76.1	76.1
15°	89.5	88.7	84.5	82.0	81.2	80.3	79.5	77.8	77.0	77.0	77.0
17.5°	92.9	91.2	85.3	82.8	81.2	80.3	80.3	79.5	78.6	77.8	77.8
20°	102.9	100.4	92.9	87.8	84.5	83.7	83.7	81.2	78.6	78.6	78.6
22.5°	116.3	112.1	101.2	93.7	88.7	87.8	85.3	82.0	80.3	79.5	79.5
25°	134.7	128.0	114.6	102.1	94.5	91.2	87.8	84.5	82.0	81.2	81.2
27.5°	154.8	148.1	131.3	114.6	102.9	95.4	91.2	87.0	82.8	81.2	81.2
30°	184.9	174.9	151.4	129.7	111.3	100.4	94.5	88.7	84.5	82.8	82.8
32.5°	221.7	207.5	174.0	147.2	123.0	106.2	97.0	91.2	86.2	84.5	83.7
35°	264.4	246.8	204.1	164.8	133.9	112.9	99.6	92.9	86.2	83.7	83.7
37.5°	315.4	295.3	241.8	189.1	148.9	119.6	102.9	93.7	87.0	85.3	85.3
40°	369.8	348.0	284.4	221.7	166.5	128.0	106.2	95.4	88.7	86.2	86.2
42.5°	432.5	405.8	334.6	257.7	188.2	141.4	111.3	97.0	88.7	86.2	85.3
45°	501.1	471.0	384.8	295.3	215.8	155.6	118.0	97.0	89.5	87.0	86.2
47.5°	573.9	540.4	440.1	337.2	241.8	168.2	123.8	97.0	90.4	87.0	86.2
50°	649.2	613.2	498.6	379.8	271.1	183.2	128.8	97.9	89.5	86.2	85.3
52.5°	725.3	686.0	563.9	425.8	299.5	201.6	134.7	98.7	88.7	86.2	85.3
55°	801.5	756.3	630.0	471.0	329.6	221.7	142.2	98.7	88.7	85.3	84.5
57.5°	872.6	826.6	697.7	514.5	357.2	237.6	147.2	99.6	86.2	82.8	82.0
60°	948.7	899.4	758.0	556.3	380.7	251.0	151.4	98.7	82.0	81.2	80.3
62.5°	1009.8	964.6	807.3	589.0	397.4	260.2	155.6	96.2	78.6	77.8	77.8
65°	1055.0	1010.6	845.8	612.4	409.9	266.0	157.3	92.0	73.6	72.8	72.8
67°	1070.9	1026.5	861.7	619.9	412.4	265.2	156.4	88.7	69.4	68.6	68.6
67.5°	1071.7	1027.4	863.4	619.9	412.4	264.4	155.6	88.7	68.6	67.8	67.8
70°	1053.3	1009.8	853.3	609.0	402.4	254.3	148.1	82.8	61.9	61.1	61.9
72.5°	994.7	960.4	807.3	579.8	376.5	235.1	137.2	75.3	55.2	54.4	54.4
75°	891.0	860.0	726.2	519.5	336.3	205.8	121.3	67.8	48.5	46.0	46.8
77.5°	747.9	729.5	609.0	440.9	279.4	170.7	101.2	56.9	39.3	36.8	37.6
80°	569.7	558.0	459.3	338.8	208.3	127.2	77.0	45.2	29.3	26.8	28.4
82.5°	366.4	362.3	300.3	215.8	126.3	77.0	48.5	29.3	19.2	16.7	18.4
85°	143.9	146.4	110.4	75.3	44.3	22.6	16.7	12.5	9.2	6.7	6.7
87.5°	0.8	0.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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)