

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: STREETWORKS

Report Number: P459931

Luminaire Tested: **UTLD-PA1-30-AMB-U-T2U-HSS**

Issue Date: 1/6/2021

Test Information

Test Method: LM-79-08
Report Number: P459931
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-906-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-PA1-30-AMB-U-T2U-HSS
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) NARROW BAND AMBER, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 966 lumens
Efficiency: N/A
Efficacy: 29.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.75' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B0 - U0 - G0

Input Watts (W): 32.7
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

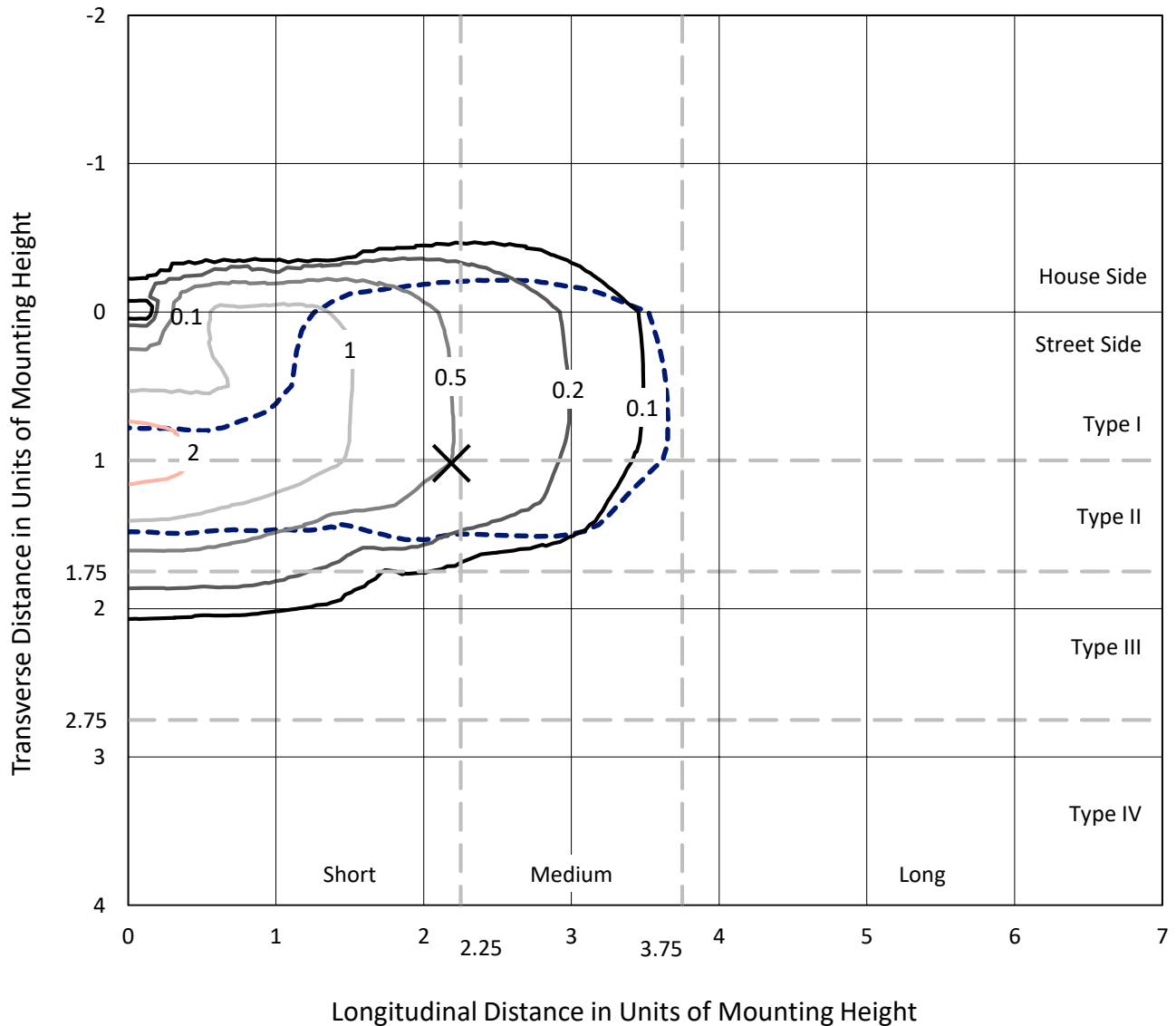


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

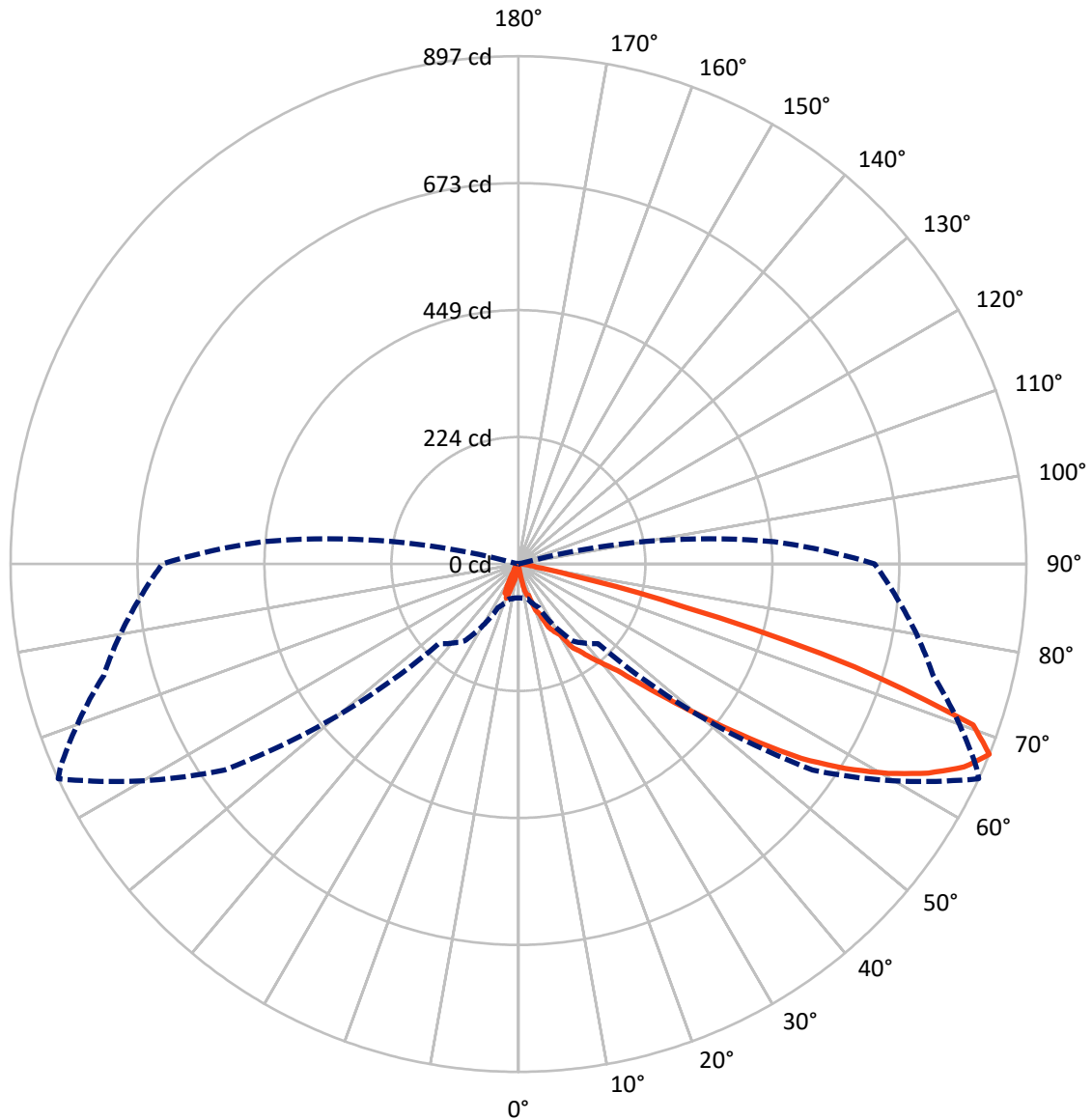


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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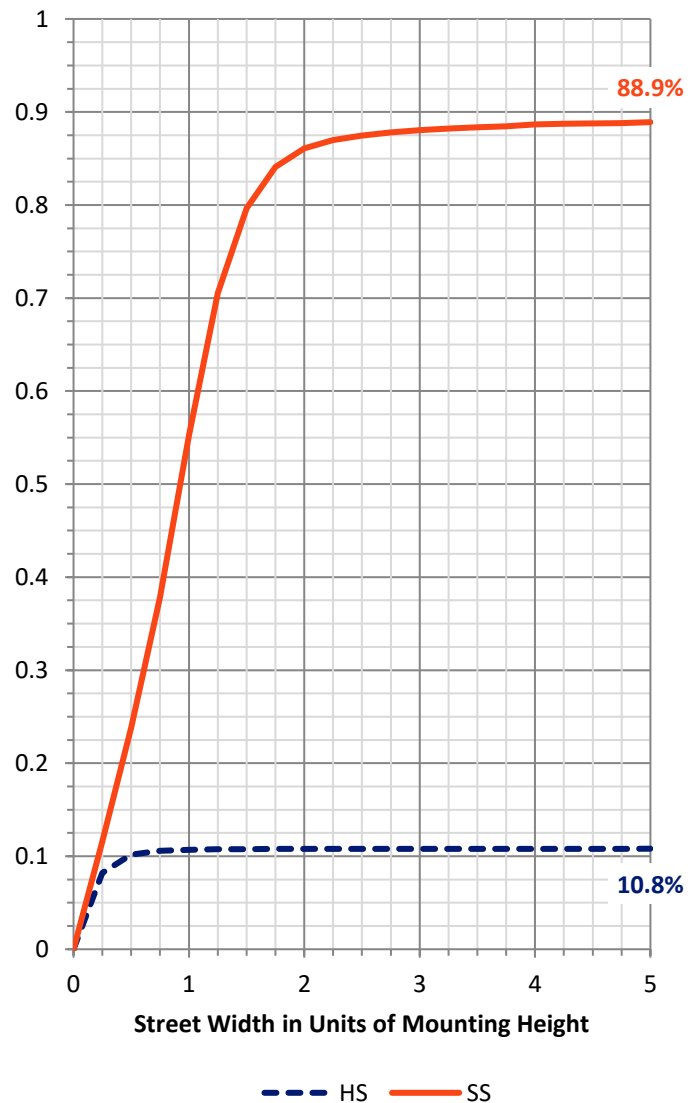
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	105.6	0.0	105.6
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	860.4	0.0	860.4
	% Fixture	89.1	0.0	89.1
Total	Lumens	966.0	0.0	966.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.1
10°-20°	11.5	1.2
20°-30°	33.8	3.5
30°-40°	84.2	8.7
40°-50°	191.7	19.8
50°-60°	287.2	29.7
60°-70°	250.3	25.9
70°-80°	100.6	10.4
80°-90°	5.6	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°	966.0	100.0
0°-180°	966.0	100.0



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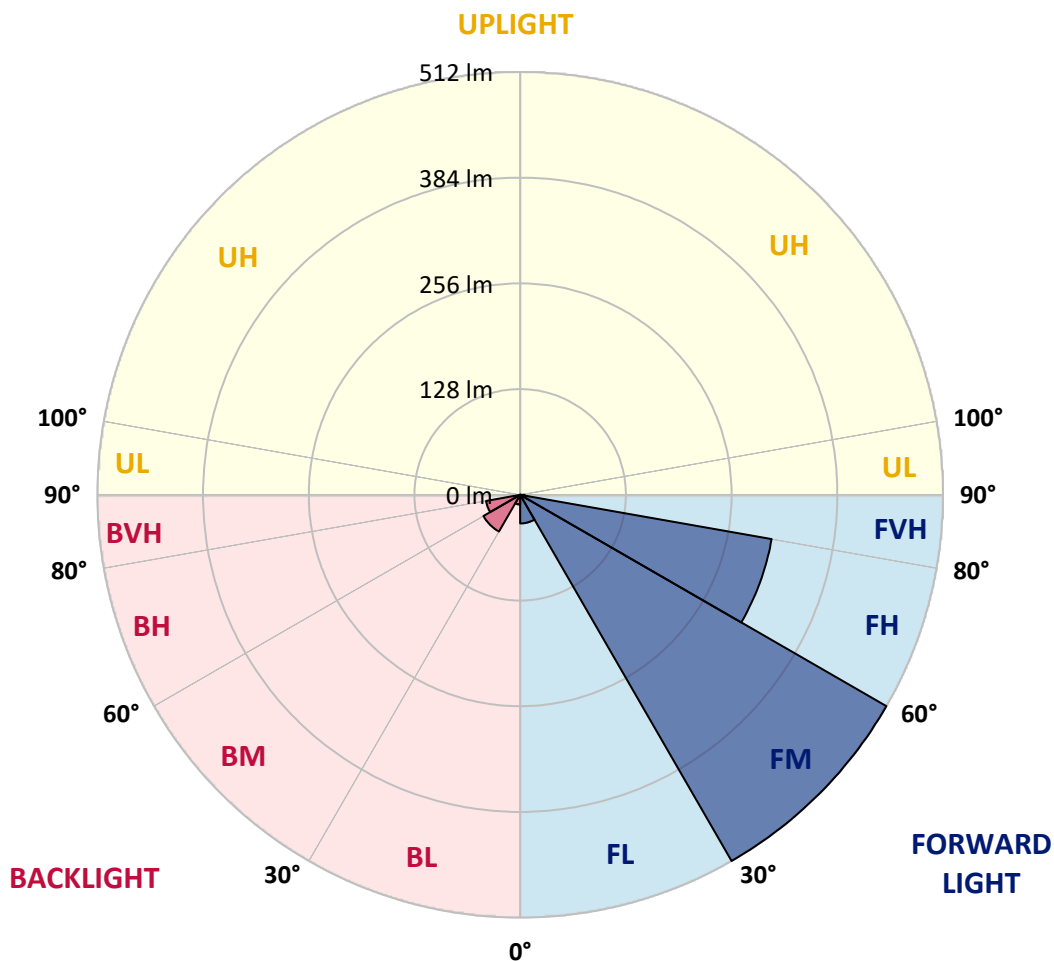
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	34.6	3.6			
FM (30°-60°)	511.7	53.0			
FH (60°-80°)	308.9	32.0			G0/660
FVH (80°-90°)	5.1	0.5			G0/10
BL (0°-30°)	11.8	1.2	B0/110		
BM (30°-60°)	51.4	5.3	B0/220		
BH (60°-80°)	42.0	4.3	B0/110		G0/110
BVH (80°-90°)	0.5	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	31.0	31.0	31.0	31.0	32.0	30.0	3.0	0.0	0.0	0.0	0.0
7.5°	28.0	28.0	29.0	29.0	29.0	30.0	30.0	10.0	5.0	0.0	0.0
10°	54.0	54.0	51.0	31.0	28.0	28.0	29.0	23.0	22.0	1.0	0.0
12.5°	53.0	52.0	52.0	52.0	53.0	29.0	29.0	45.0	43.0	47.0	36.0
15°	56.0	56.0	53.0	51.0	52.0	48.0	57.0	57.0	57.0	55.0	38.0
17.5°	74.0	74.0	74.0	72.0	53.0	72.0	71.0	58.0	59.0	56.0	70.0
20°	74.0	73.0	73.0	75.0	88.0	73.0	72.0	87.0	86.0	87.0	78.0
22.5°	95.0	95.0	96.0	79.0	90.0	87.0	93.0	96.0	95.0	90.0	82.0
25°	98.0	98.0	100.0	99.0	99.0	108.0	96.0	124.0	125.0	125.0	121.0
27.5°	134.0	135.0	130.0	112.0	112.0	112.0	129.0	135.0	133.0	135.0	127.0
30°	166.0	165.0	160.0	147.0	126.0	127.0	140.0	145.0	147.0	174.0	169.0
32.5°	245.1	239.1	222.1	177.1	154.0	149.0	150.0	176.1	177.1	185.1	186.1
35°	338.1	331.1	298.1	246.1	180.1	163.0	175.0	190.1	193.1	201.1	201.1
37.5°	424.1	419.1	386.1	322.1	232.1	193.1	192.1	211.1	206.1	221.1	222.1
40°	519.1	513.1	483.1	405.1	299.1	229.1	217.1	232.1	230.1	254.1	261.1
42.5°	618.2	614.2	588.2	493.1	378.1	303.1	258.1	257.1	260.1	288.1	296.1
45°	708.2	695.2	674.2	581.2	466.1	396.1	310.1	300.1	302.1	333.1	338.1
47.5°	744.2	723.2	721.2	654.2	561.2	483.1	377.1	356.1	354.1	390.1	388.1
50°	719.2	700.2	713.2	685.2	635.2	576.2	470.1	427.1	426.1	460.1	449.1
52.5°	614.2	611.2	641.2	660.2	679.2	661.2	583.2	512.1	507.1	536.2	507.1
55°	487.1	491.1	531.2	573.2	669.2	722.2	707.2	606.2	605.2	600.2	554.2
57.5°	373.1	379.1	426.1	463.1	602.2	736.2	799.2	681.2	682.2	647.2	595.2
60°	237.1	242.1	314.1	376.1	473.1	673.2	847.2	751.2	746.2	692.2	632.2
62.5°	167.0	167.0	194.1	285.1	360.1	523.1	857.2	813.2	808.2	729.2	665.2
65°	98.0	99.0	111.0	176.1	258.1	350.1	809.2	865.2	863.2	757.2	678.2
67.5°	60.0	60.0	64.0	85.0	166.0	199.1	634.2	897.3	886.3	758.2	670.2
70°	50.0	50.0	55.0	53.0	105.0	102.0	341.1	852.2	846.2	745.2	648.2
72.5°	39.0	40.0	48.0	53.0	69.0	63.0	109.0	621.2	635.2	668.2	581.2
75°	24.0	25.0	36.0	48.0	46.0	45.0	52.0	304.1	331.1	457.1	416.1
77.5°	15.0	15.0	20.0	32.0	42.0	31.0	41.0	92.0	109.0	210.1	196.1
80°	9.0	9.0	12.0	19.0	28.0	22.0	28.0	31.0	33.0	53.0	40.0
82.5°	5.0	5.0	7.0	11.0	16.0	17.0	15.0	20.0	21.0	21.0	7.0
85°	2.0	2.0	4.0	7.0	10.0	8.0	7.0	11.0	11.0	14.0	4.0
87.5°	1.0	1.0	3.0	4.0	4.0	4.0	4.0	5.0	5.0	8.0	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	20.0	21.0	20.0
10°	0.0	0.0	0.0	0.0	0.0	17.0	23.0	22.0	20.0	20.0	20.0
12.5°	36.0	42.0	40.0	24.0	16.0	22.0	19.0	15.0	11.0	10.0	11.0
15°	43.0	43.0	42.0	33.0	45.0	19.0	11.0	10.0	9.0	9.0	8.0
17.5°	73.0	77.0	47.0	44.0	37.0	19.0	9.0	8.0	7.0	7.0	7.0
20°	83.0	82.0	71.0	64.0	27.0	12.0	8.0	7.0	8.0	9.0	9.0
22.5°	87.0	85.0	71.0	54.0	23.0	10.0	8.0	8.0	8.0	7.0	7.0
25°	125.0	120.0	101.0	57.0	14.0	10.0	8.0	7.0	6.0	6.0	6.0
27.5°	129.0	123.0	98.0	43.0	12.0	9.0	7.0	7.0	6.0	6.0	6.0
30°	174.0	166.0	122.0	29.0	11.0	8.0	7.0	6.0	5.0	5.0	5.0
32.5°	184.1	172.0	115.0	20.0	10.0	7.0	5.0	5.0	5.0	5.0	5.0
35°	198.1	184.1	107.0	14.0	9.0	6.0	4.0	4.0	4.0	4.0	4.0
37.5°	216.1	200.1	99.0	12.0	7.0	5.0	4.0	4.0	4.0	4.0	4.0
40°	244.1	223.1	87.0	10.0	6.0	4.0	3.0	3.0	3.0	3.0	3.0
42.5°	275.1	252.1	69.0	9.0	5.0	3.0	3.0	3.0	3.0	3.0	3.0
45°	314.1	284.1	50.0	8.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0
47.5°	355.1	321.1	30.0	7.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0
50°	410.1	362.1	19.0	6.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0
52.5°	462.1	397.1	14.0	6.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0
55°	500.1	425.1	12.0	5.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0
57.5°	536.2	446.1	10.0	4.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
60°	574.2	461.1	9.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
62.5°	610.2	471.1	8.0	3.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0
65°	629.2	469.1	6.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0
67.5°	629.2	453.1	5.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
70°	616.2	420.1	4.0	2.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
72.5°	552.2	342.1	3.0	2.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
75°	386.1	131.0	3.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
77.5°	174.0	61.0	2.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
80°	35.0	18.0	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
82.5°	5.0	2.0	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
85°	2.0	1.0	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
87.5°	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	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)