

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: P394807

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

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394807
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-TSAM-UNV-T5X-DIM10
Description: LUMIERE EON LED LUMINAIRE
PATHWAY, TYPE 5
Light Source: AMBER LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 205.3 lumens
Efficiency: N/A
Efficacy: 31.6 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

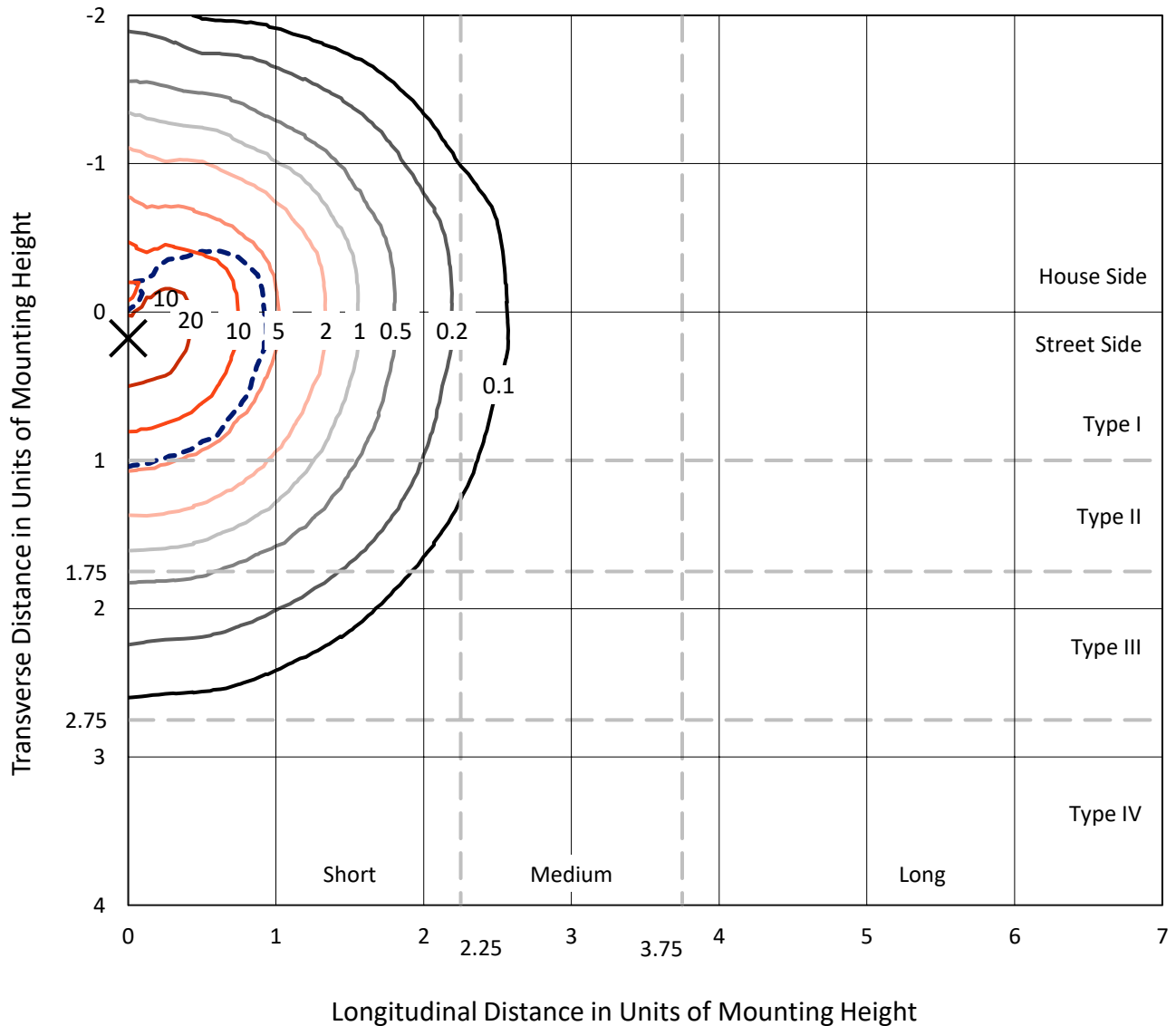
Input Watts (W): 6.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

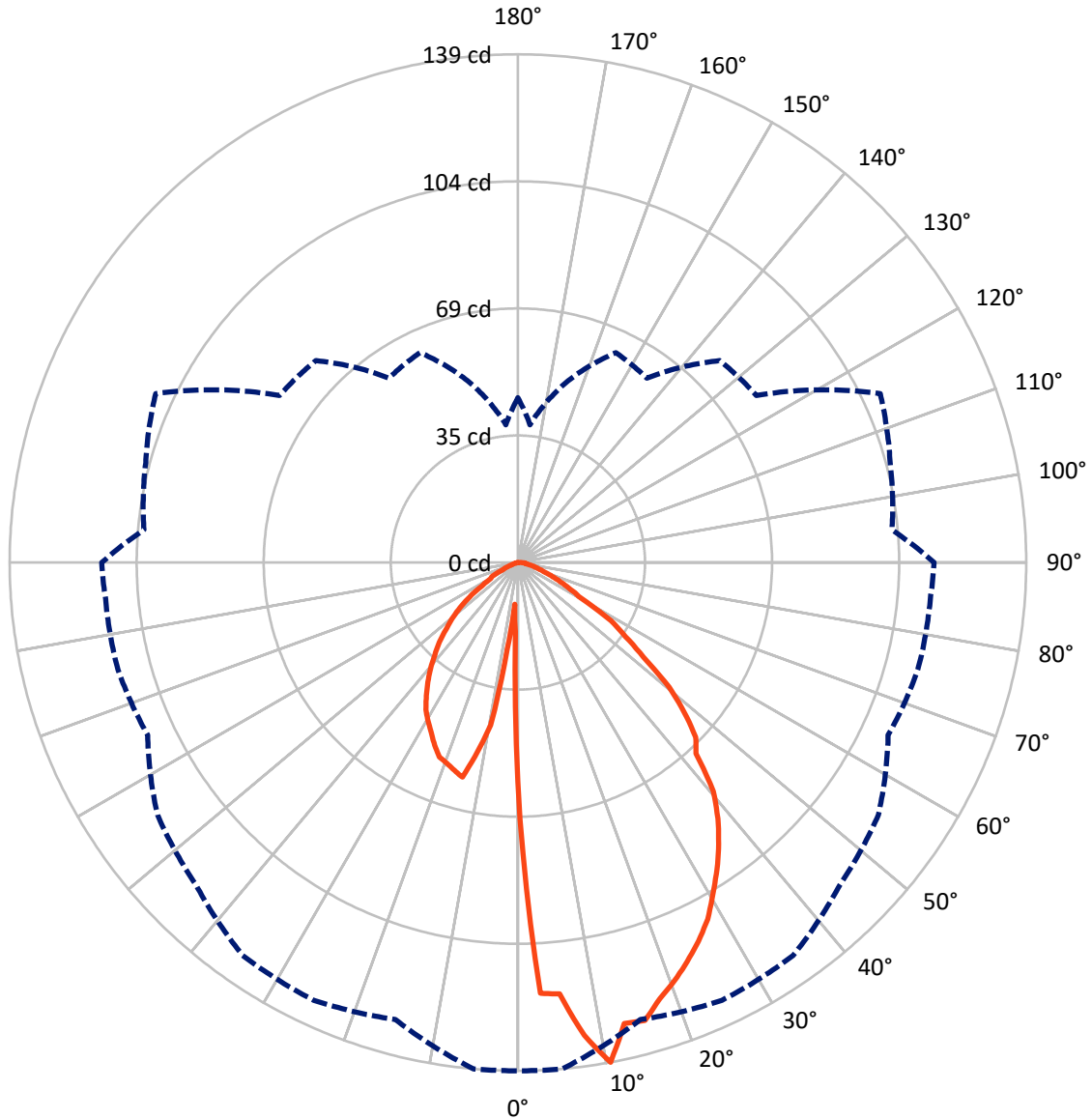
× Max cd
 - - - 1/2 Max cd



Based on 2 foot mounting height. Maximum calculated value = 31.3 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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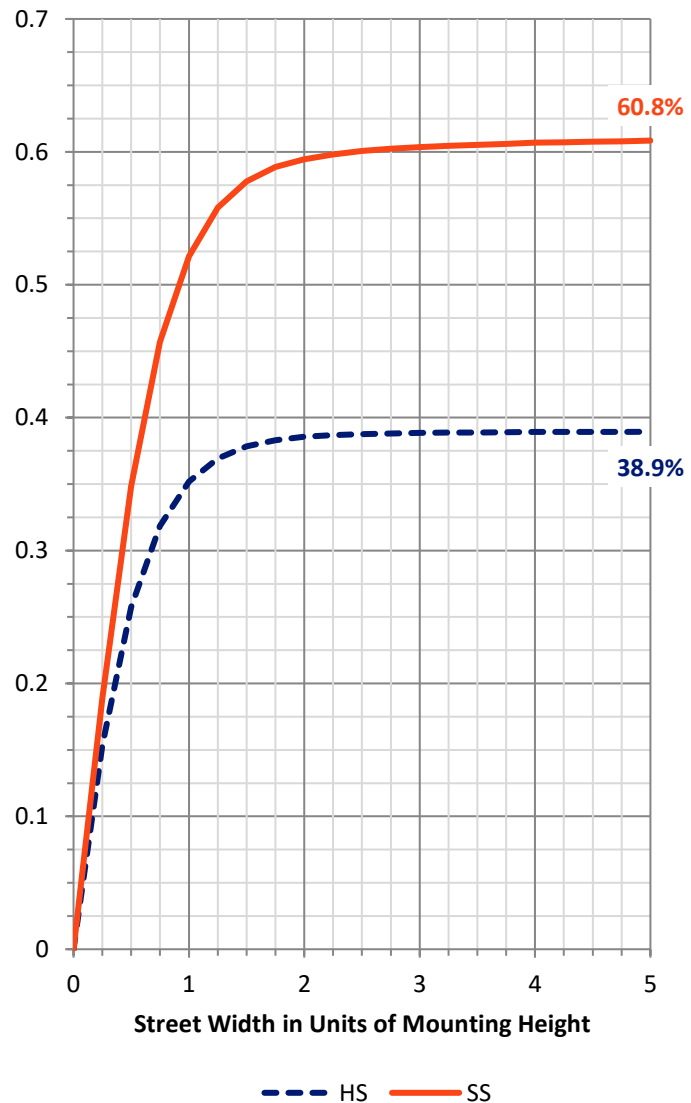
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	80.5	0.0	80.5
	% Fixture	39.2	0.0	39.2
Street Side	Lumens	124.8	0.0	124.8
	% Fixture	60.8	0.0	60.8
Total	Lumens	205.3	0.0	205.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	4.0
10°-20°	28.0	13.7
20°-30°	41.6	20.3
30°-40°	46.1	22.4
40°-50°	40.7	19.8
50°-60°	25.9	12.6
60°-70°	10.7	5.2
70°-80°	3.5	1.7
80°-90°	0.7	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°	205.3	100.0
0°-180°	205.3	100.0



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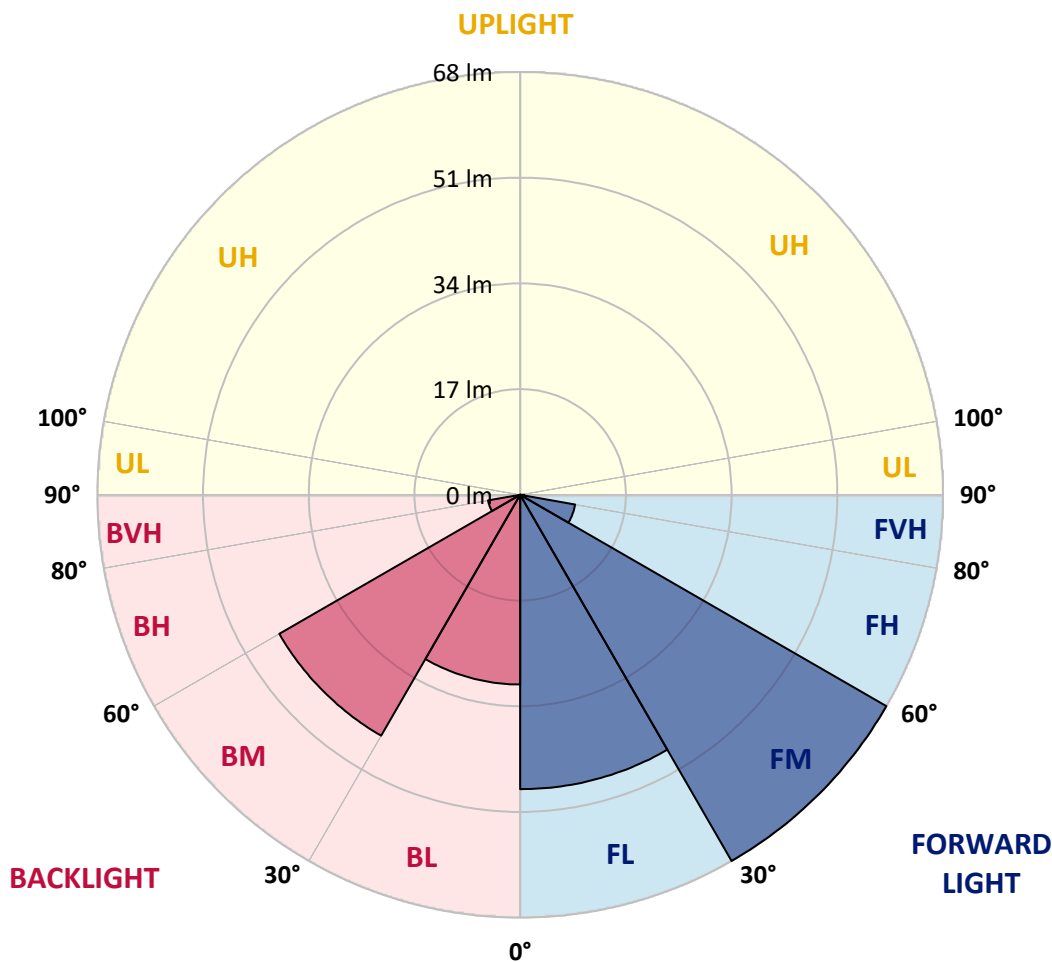
CATALOG NUMBER: 303-P1-LEDB1-TSAM-UNV-T5X-DIM10

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	47.3	23.0			
FM (30°-60°)	67.9	33.1			
FH (60°-80°)	9.0	4.4			G0/660
FVH (80°-90°)	0.7	0.3			G0/10
BL (0°-30°)	30.5	14.8	B0/110		
BM (30°-60°)	44.7	21.8	B0/220		
BH (60°-80°)	5.2	2.5	B0/110		G0/110
BVH (80°-90°)	0.1	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°	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
2.5°	117.5	116.4	114.3	120.2	117.0	106.2	88.8	82.6	76.6	75.4	73.9
5°	118.1	117.0	115.2	117.8	114.6	115.2	115.8	112.8	97.2	89.7	88.8
7.5°	130.1	123.2	126.5	123.5	117.5	116.1	111.9	110.7	114.6	105.0	106.2
10°	138.5	138.5	128.9	131.6	130.7	124.1	119.9	111.3	112.8	112.8	113.4
12.5°	128.9	132.5	126.8	128.6	132.8	125.6	117.2	112.8	118.1	110.4	108.3
15°	129.5	129.2	125.9	128.3	121.7	121.4	117.0	114.9	112.8	108.9	110.4
17.5°	125.0	129.5	114.3	125.0	128.6	120.8	114.6	110.4	111.6	107.7	98.7
20°	121.7	122.3	114.9	122.6	125.3	115.8	115.8	110.7	106.2	111.3	106.2
22.5°	118.1	117.5	111.3	117.8	121.4	116.1	112.5	107.1	109.8	103.2	102.0
25°	114.3	114.3	111.3	113.7	113.4	108.3	108.9	102.3	102.9	100.2	96.9
27.5°	110.1	110.1	106.5	108.6	106.5	105.9	102.0	99.0	99.3	99.6	96.0
30°	104.7	102.3	102.0	103.5	105.9	101.4	97.8	95.7	94.8	96.0	92.1
32.5°	99.6	99.3	96.0	99.0	98.7	94.5	91.2	90.3	89.4	91.2	87.0
35°	94.2	94.2	91.5	93.3	91.5	90.9	87.3	85.2	81.4	84.0	82.6
37.5°	88.5	85.2	85.2	84.6	85.5	84.0	82.9	78.1	78.4	78.1	75.1
40°	82.0	81.7	79.3	78.7	79.0	77.8	76.6	72.4	73.0	72.1	70.6
42.5°	71.2	73.9	76.3	74.5	73.0	73.9	70.0	66.7	67.0	67.3	64.9
45°	67.9	67.9	65.2	64.3	65.8	62.5	63.1	60.4	62.2	59.5	59.2
47.5°	61.0	57.7	58.3	58.9	61.0	54.1	56.5	55.0	55.0	56.2	53.2
50°	53.5	52.9	53.5	48.5	53.2	50.2	49.1	48.2	46.1	48.5	46.7
52.5°	42.8	45.5	44.6	44.6	44.6	44.9	42.2	39.8	42.2	39.5	38.6
55°	35.6	36.2	36.5	36.8	36.8	34.7	34.4	32.6	32.3	32.0	30.5
57.5°	29.9	29.6	30.2	29.6	30.2	29.0	28.4	26.0	26.0	25.4	23.9
60°	19.7	19.7	22.4	22.7	23.9	22.7	21.5	20.6	19.7	20.0	18.8
62.5°	16.2	15.6	16.2	15.6	17.6	17.6	16.5	16.2	15.3	15.3	15.0
65°	12.9	12.0	13.2	12.9	13.2	13.5	13.2	12.3	11.4	11.7	11.4
67.5°	10.2	9.9	10.2	10.2	10.2	10.5	10.2	9.6	9.0	9.6	9.3
70°	7.5	7.2	8.1	7.8	8.1	7.2	7.2	7.2	6.9	7.5	7.2
72.5°	6.0	5.7	6.0	6.0	5.7	5.7	5.7	6.0	5.7	5.7	5.7
75°	4.8	4.8	4.8	4.8	4.5	4.2	3.9	4.2	3.9	3.9	3.6
77.5°	3.6	3.6	3.9	3.6	3.3	3.3	2.7	3.0	2.7	2.7	2.7
80°	2.7	2.7	2.7	2.7	2.7	2.4	2.1	1.8	1.8	1.5	1.5
82.5°	2.1	2.1	2.1	2.1	1.8	1.8	1.5	1.2	0.9	0.9	0.6
85°	1.8	1.8	1.8	1.5	1.5	1.2	0.9	0.6	0.6	0.3	0.0
87.5°	1.5	1.5	1.5	1.5	1.2	0.9	0.9	0.6	0.3	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°	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
2.5°	74.5	74.5	54.7	41.6	30.5	17.6	17.9	16.5	16.7	18.8
5°	90.6	71.8	53.8	44.3	48.8	32.0	20.6	15.6	14.4	11.4
7.5°	99.9	86.7	83.5	67.3	57.4	55.3	32.0	30.5	25.7	23.6
10°	102.3	105.0	108.9	79.3	77.8	61.3	63.1	50.8	37.7	44.9
12.5°	111.3	111.0	103.5	86.7	78.1	70.9	67.3	52.6	50.0	52.6
15°	106.5	109.5	98.7	80.8	73.3	66.7	58.9	49.4	51.7	60.4
17.5°	107.4	102.9	102.9	83.7	76.3	67.3	56.5	52.3	53.5	59.2
20°	104.4	105.3	97.8	84.0	73.0	63.1	61.0	50.2	52.9	58.0
22.5°	102.3	99.0	95.4	83.7	70.3	65.2	59.8	48.5	50.5	57.1
25°	99.0	98.7	94.8	77.2	67.9	60.4	57.7	46.4	47.3	54.7
27.5°	96.0	96.6	90.9	74.8	64.3	59.8	56.2	42.2	45.5	52.0
30°	91.5	90.9	85.2	74.5	62.5	55.3	52.9	41.0	41.6	49.7
32.5°	87.6	86.7	80.2	67.6	61.3	52.3	50.2	39.8	40.7	47.3
35°	79.6	81.1	75.7	66.1	57.7	49.1	48.8	36.5	39.5	44.0
37.5°	76.6	73.6	71.8	61.3	50.5	45.5	43.4	34.4	34.7	40.7
40°	72.1	68.2	65.5	56.5	48.2	42.2	38.6	32.6	32.3	37.4
42.5°	64.6	64.9	59.8	50.0	45.2	37.4	36.8	28.7	30.5	33.8
45°	58.6	58.9	53.5	46.1	40.7	34.1	32.6	25.7	26.9	30.5
47.5°	52.3	52.6	47.0	41.6	36.2	29.6	29.0	22.1	23.9	26.9
50°	47.6	45.5	40.7	35.9	30.5	26.0	25.1	19.7	20.9	23.6
52.5°	38.0	40.1	34.7	29.9	26.3	21.8	20.9	17.6	17.9	20.0
55°	32.0	31.4	27.8	25.7	20.9	17.9	17.0	13.8	15.0	16.2
57.5°	24.2	25.7	22.4	20.3	17.3	14.4	13.8	11.7	12.3	11.7
60°	19.4	19.7	17.3	16.2	13.8	11.1	10.2	7.8	9.3	8.7
62.5°	15.0	15.6	13.5	12.6	10.5	8.7	7.5	5.7	7.2	7.8
65°	11.7	12.0	10.2	9.3	8.1	6.3	5.1	3.6	4.2	4.8
67.5°	9.0	9.3	7.5	6.9	6.0	4.5	3.3	2.7	3.0	3.6
70°	7.5	7.5	5.4	4.5	3.6	2.4	2.1	1.5	2.1	2.1
72.5°	5.7	5.7	4.2	3.3	2.4	1.8	1.5	1.2	1.5	1.5
75°	3.9	4.2	3.0	2.1	1.5	1.2	1.2	0.6	0.9	0.6
77.5°	2.4	2.4	1.5	1.2	0.9	0.6	0.6	0.3	0.3	0.3
80°	1.5	1.5	0.9	0.6	0.6	0.3	0.3	0.0	0.0	0.0
82.5°	0.6	0.6	0.3	0.3	0.3	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)