

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: P239391

Luminaire Tested: **UTLD-AF24-40-D-U-5WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P239391
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1710-388-9-U0)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-AF24-40-D-U-5WQ-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
PHOTOMETRIC DATA REPORTED FOR LOWER HEMISPHERE ONLY. MINIMAL LIGHT IN
UPPER HEMISPHERE NOT REPORTED.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4043 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G1

Input Watts (W): 40
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

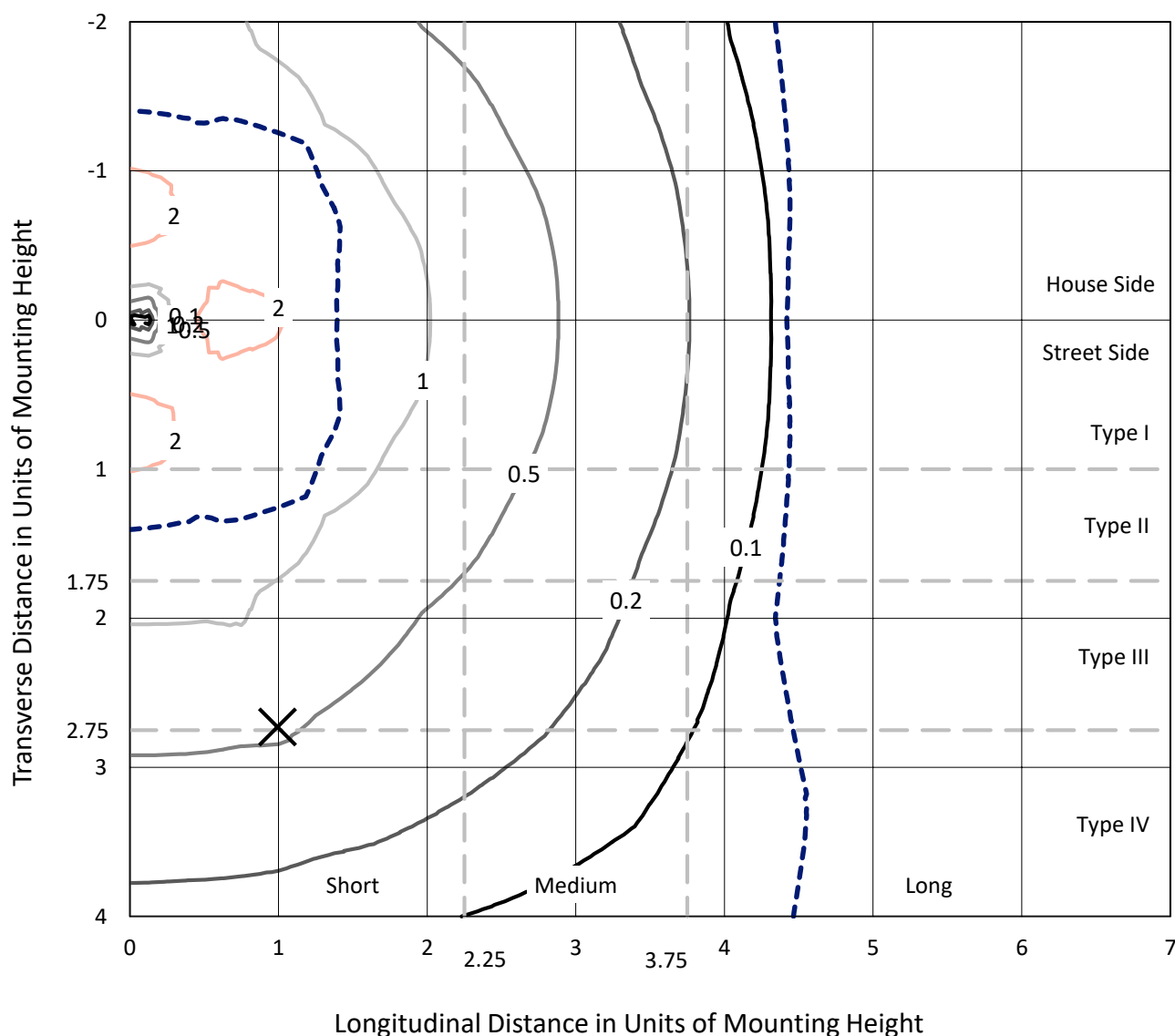


REPORT NUMBER: P239391

CATALOG NUMBER: UTLD-AF24-40-D-U-5WQ-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

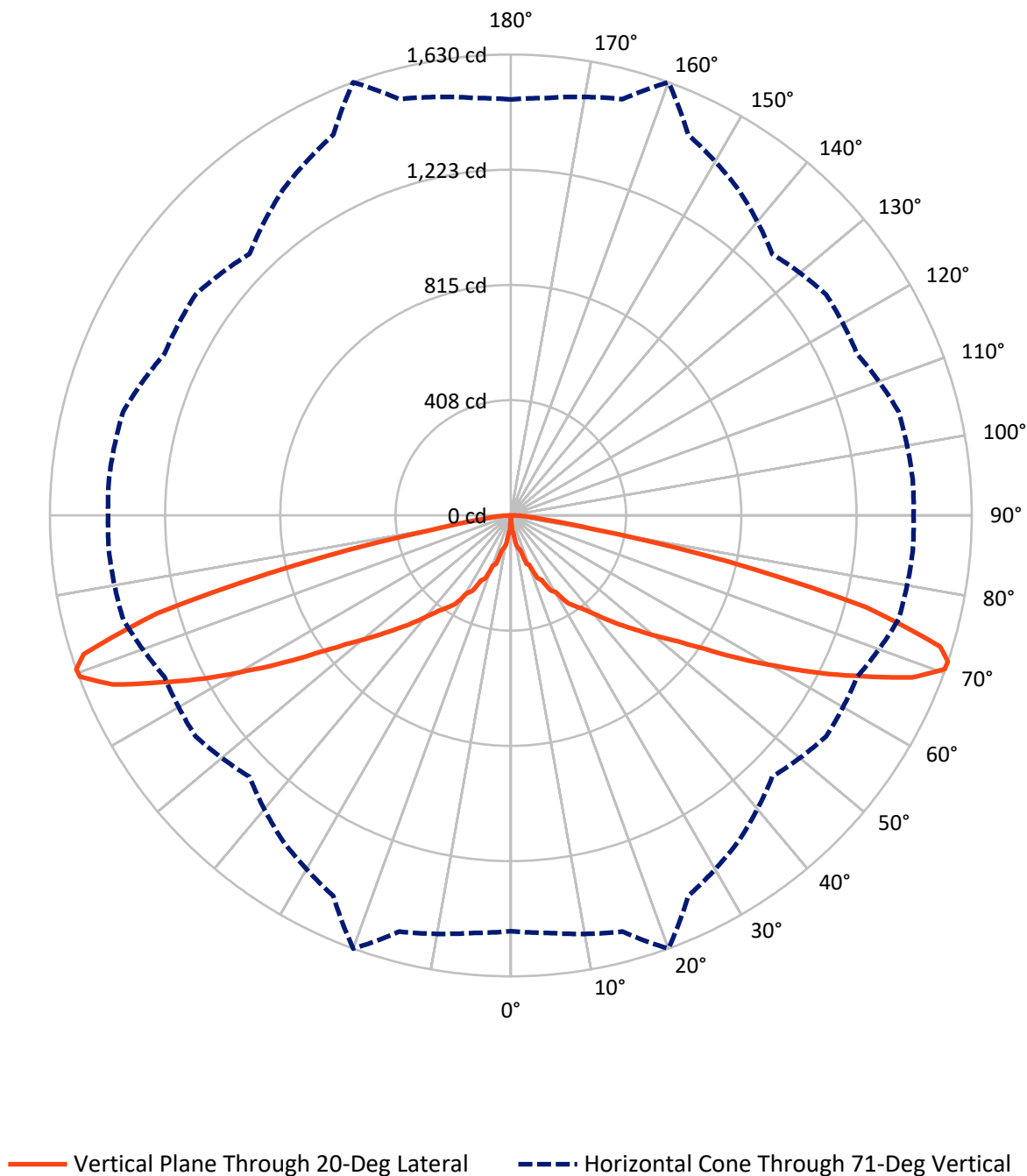


Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P239391

CATALOG NUMBER: UTLD-AF24-40-D-U-5WQ-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P239391

CATALOG NUMBER: UTLD-AF24-40-D-U-5WQ-7030

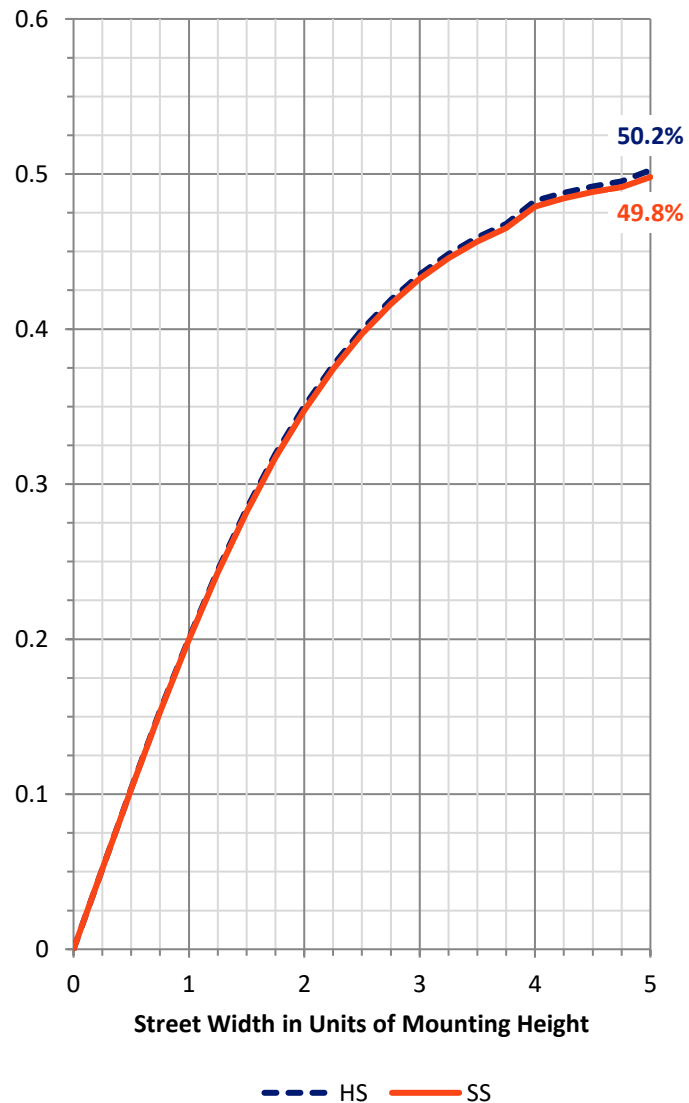
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2021.5	0.0	2021.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2021.5	0.0	2021.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4043.0	0.0	4043.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	0.1
10°-20°	33.4	0.8
20°-30°	113.1	2.8
30°-40°	230.5	5.7
40°-50°	394.7	9.8
50°-60°	695.5	17.2
60°-70°	1184.4	29.3
70°-80°	1225.1	30.3
80°-90°	163.7	4.0
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°	4043.0	100.0
0°-180°	4043.0	100.0

Coefficient of Utilization



REPORT NUMBER: P239391

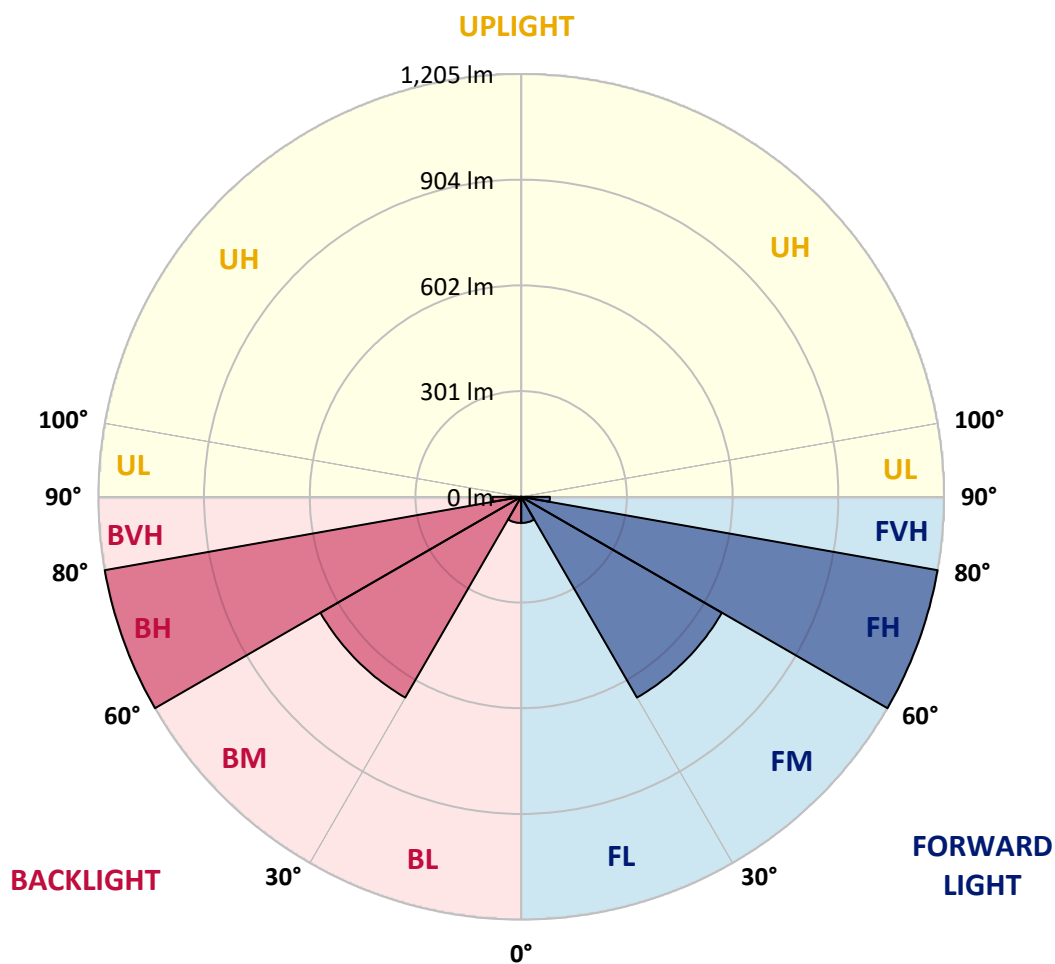
CATALOG NUMBER: UTLD-AF24-40-D-U-5WQ-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	74.6	1.8			
FM	(30°-60°)	660.3	16.3			
FH	(60°-80°)	1204.7	29.8			G1/1800
FVH	(80°-90°)	81.8	2.0			G1/100
BL	(0°-30°)	74.6	1.8	B0/110		
BM	(30°-60°)	660.3	16.3	B1/1000		
BH	(60°-80°)	1204.7	29.8	B3/2500		G1/1800
BVH	(80°-90°)	81.8	2.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





REPORT NUMBER: P239391

CATALOG NUMBER: UTLD-AF24-40-D-U-5WQ-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	9.0	8.5	8.1	14.8	7.6	6.3	3.1	1.8	1.3	1.3	1.3
5°	31.8	31.8	31.8	61.0	31.4	30.5	26.5	23.3	6.3	1.8	1.3
7.5°	55.6	55.6	43.1	61.9	37.7	32.3	30.9	30.1	24.2	4.9	2.2
10°	88.8	88.4	85.7	106.3	82.1	61.5	37.2	31.4	27.8	15.3	9.4
12.5°	95.5	94.6	92.4	118.0	89.3	87.0	67.3	46.2	61.9	92.4	78.5
15°	143.5	144.4	126.9	128.3	112.6	92.0	100.9	119.3	99.1	106.3	90.6
17.5°	157.9	157.0	153.8	179.9	147.6	123.3	137.3	139.9	119.3	139.5	142.2
20°	196.0	193.3	181.2	186.6	157.4	172.2	161.0	163.7	183.9	180.3	183.5
22.5°	227.4	227.0	221.1	240.4	196.9	193.8	184.4	199.6	203.2	196.9	226.5
25°	258.4	255.7	230.5	253.0	223.8	222.9	220.2	218.4	241.3	262.4	276.7
27.5°	293.8	292.4	283.5	299.6	260.6	237.7	239.1	254.3	268.2	275.4	322.5
30°	327.9	327.4	297.4	316.2	289.3	271.8	263.3	277.6	303.7	347.6	376.3
32.5°	375.4	373.6	352.6	368.7	314.9	297.8	291.6	301.9	339.1	360.6	391.1
35°	427.0	425.2	381.7	394.7	344.9	321.2	309.5	333.3	348.1	380.4	414.9
37.5°	453.9	450.8	428.4	422.1	389.8	350.8	334.6	349.4	369.1	405.5	440.5
40°	485.8	484.4	466.0	459.8	417.1	378.6	354.3	370.9	398.8	435.1	475.0
42.5°	523.9	523.0	506.4	506.9	453.0	413.6	378.6	402.3	431.5	479.5	523.9
45°	570.1	567.0	555.7	556.2	498.8	452.1	413.1	444.1	466.0	522.5	573.7
47.5°	622.1	621.7	609.1	609.1	545.0	497.4	454.4	496.5	520.8	587.6	627.1
50°	681.8	680.9	671.9	671.9	605.5	546.8	504.2	554.8	581.3	645.9	689.4
52.5°	747.3	746.8	744.6	739.6	672.8	615.8	567.0	624.8	647.7	719.9	757.6
55°	825.3	831.1	829.4	832.9	761.2	701.5	643.2	705.6	730.2	802.9	831.6
57.5°	924.4	922.6	931.6	954.5	864.8	811.0	739.2	810.1	819.0	887.7	914.6
60°	1015.0	1017.3	1034.8	1083.2	972.4	935.7	853.6	921.3	921.8	980.5	1000.7
62.5°	1111.9	1116.0	1146.0	1228.1	1085.9	1061.7	978.7	1030.7	1026.3	1077.4	1097.6
65°	1220.9	1226.3	1267.1	1371.2	1212.4	1182.4	1096.2	1137.9	1136.6	1204.8	1203.0
67.5°	1353.2	1360.0	1396.8	1530.4	1362.7	1294.9	1195.4	1246.0	1241.6	1309.3	1304.4
70°	1459.1	1466.3	1506.2	1628.2	1463.6	1382.0	1279.2	1334.0	1337.5	1401.2	1408.4
71°	1471.2	1482.0	1524.1	1630.4	1485.1	1405.7	1307.5	1361.8	1351.5	1419.6	1427.3
72.5°	1435.3	1445.6	1500.8	1588.3	1494.1	1416.9	1348.8	1381.5	1341.1	1405.3	1405.3
75°	1218.2	1218.2	1295.8	1299.0	1363.6	1365.8	1376.6	1347.9	1221.4	1225.9	1205.7
77.5°	760.3	768.3	849.5	783.2	992.6	1158.6	1272.1	1148.7	935.7	849.1	783.2
80°	288.9	285.3	379.5	289.8	527.5	782.3	957.6	785.4	496.1	327.0	245.4
82.5°	66.4	84.8	117.5	113.9	175.8	345.4	532.0	349.0	159.2	123.8	95.5
85°	32.7	34.5	58.8	62.3	70.0	94.6	176.3	108.5	81.6	81.2	59.7
87.5°	13.5	15.7	32.7	31.8	31.4	39.5	35.9	50.7	52.0	55.2	35.0
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: P239391

CATALOG NUMBER: UTLD-AF24-40-D-U-5WQ-7030

CANDELA DISTRIBUTION (continued):

	90°
0°	1.3
2.5°	1.3
5°	1.3
7.5°	2.2
10°	9.4
12.5°	74.9
15°	94.6
17.5°	141.7
20°	184.4
22.5°	231.4
25°	275.4
27.5°	328.8
30°	379.5
32.5°	405.5
35°	425.7
37.5°	450.8
40°	483.1
42.5°	527.0
45°	575.9
47.5°	630.2
50°	693.0
52.5°	759.4
55°	831.1
57.5°	916.8
60°	997.1
62.5°	1097.1
65°	1200.3
67.5°	1303.0
70°	1402.1
71°	1424.6
72.5°	1396.8
75°	1201.2
77.5°	769.2
80°	233.2
82.5°	89.3
85°	57.0
87.5°	32.7
90°	0.0

(END OF REPORT)