

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: METALUX

Report Number: P295277

Luminaire Tested: **UHB-24-UNV-L850-CD-U**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P295277  
Test Lab: Standard-Tech Co., Ltd Testing Center  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: UHB-24-UNV-L850-CD-U  
Description: UHB 200W 5000K ROUND HIGH BAY LED WITH CLEAR RING LENS  
Light Source: 5000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

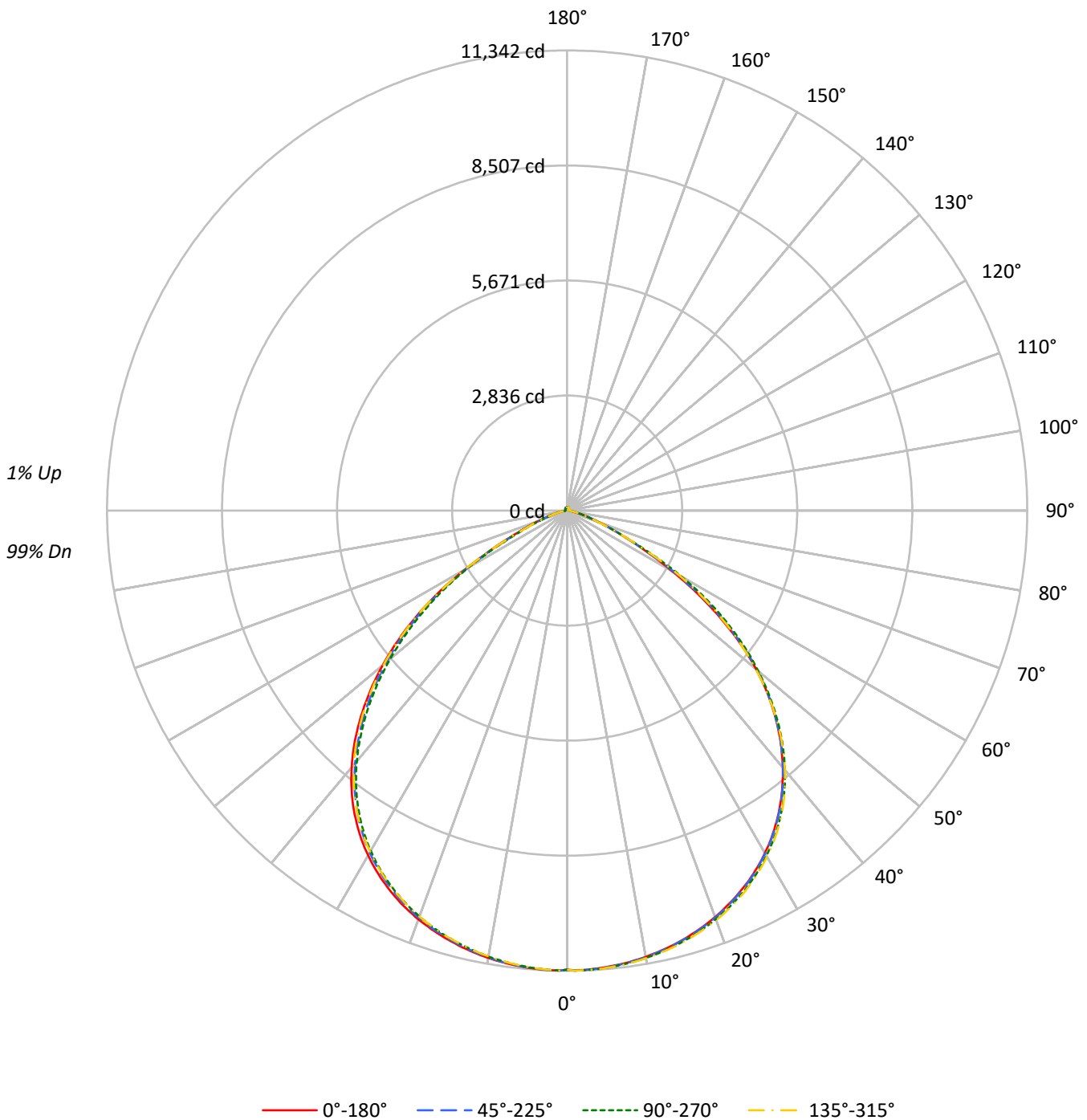
Lumens per Lamp: N/A  
Luminaire Lumens: 26663.5 lumens  
Efficiency: N/A  
Efficacy: 135.3 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.35  
Luminous Opening: Circular (Dia: 0.36m x H: 0m)  
CIE Type: Direct

Input Watts (W): 197  
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: 25 FT

TEST NUMBER: P295277

CATALOG NUMBER: UHB-24-UNV-L850-CD-U

### Luminous Intensity Polar Plot





TEST NUMBER: P295277

CATALOG NUMBER: UHB-24-UNV-L850-CD-U

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	99								
1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	92	91	89	87								
2	102	95	89	85	100	93	88	84	90	85	81	86	83	79	83	80	78	75								
3	94	85	78	72	92	83	77	72	80	75	70	77	73	69	75	71	68	66								
4	87	76	68	62	85	75	68	62	72	66	61	70	64	60	68	63	59	57								
5	80	69	60	54	78	67	60	54	65	59	53	63	57	53	61	56	52	50								
6	74	62	54	48	72	61	53	48	59	52	47	58	51	47	56	51	46	44								
7	69	57	48	43	67	56	48	43	54	47	42	53	46	42	51	46	41	40								
8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	41	37	35								
9	60	48	40	35	59	47	40	34	46	39	34	45	38	34	44	38	34	32								
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	114309	114309	114309	114309
5°	114529	114696	114687	114524
10°	114565	114874	114865	114501
15°	114636	115084	115073	114518
20°	114627	115242	115268	114487
25°	114418	115166	115188	114071
30°	113725	114634	114495	112985
35°	112101	113159	112666	110665
40°	109066	110172	108988	106372
45°	103999	104827	102769	99448
50°	95590	96674	93356	89626
55°	81214	84657	79766	75975
60°	60422	65735	58929	56789
65°	38957	40382	36753	33600
70°	23891	23995	22296	20229
75°	14373	15255	13939	12675
80°	9489	10403	9833	8972
85°	6793	7558	7581	6399



TEST NUMBER: P295277

CATALOG NUMBER: UHB-24-UNV-L850-CD-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1074.9	4.0
10°-20°	3100.0	11.6
20°-30°	4739.4	17.8
30°-40°	5672.2	21.3
40°-50°	5521.5	20.7
50°-60°	4048.3	15.2
60°-70°	1658.1	6.2
70°-80°	417.0	1.6
80°-90°	85.6	0.3
90°-100°	46.3	0.2
100°-110°	46.9	0.2
110°-120°	48.4	0.2
120°-130°	49.6	0.2
130°-140°	47.9	0.2
140°-150°	42.7	0.2
150°-160°	34.4	0.1
160°-170°	22.5	0.1
170°-180°	7.9	0.0
0°-30°	8914.3	33.4
0°-40°	14586.5	54.7
0°-60°	24156.3	90.6
0°-90°	26317.0	98.7
90°-120°	141.7	0.5
90°-150°	281.9	1.1
90°-180°	347.0	1.3
0°-180°	26663.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	11314	11314	11314	11314	11314	
5°	11293	11309	11308	11292	11293	###
15°	10960	11003	11002	10949	10960	3095
25°	10264	10331	10333	10233	10264	4729
35°	9089	9175	9135	8973	9089	5674
45°	7279	7337	7193	6960	7279	5585
55°	4611	4806	4528	4313	4611	4086
65°	1630	1689	1537	1406	1630	1699
75°	368	391	357	325	368	434
85°	59	65	65	55	59	71
90°	42	44	43	42	42	23
95°	42	43	43	42	42	34
105°	43	46	46	43	43	45
115°	46	50	51	47	46	46
125°	53	57	58	53	53	47
135°	60	64	64	60	60	46
145°	66	70	70	66	66	41
155°	72	76	76	73	72	33
165°	79	80	80	80	79	22
175°	83	83	82	83	83	8
180°	83	83	83	83	83	



TEST NUMBER: P295277

CATALOG NUMBER: UHB-24-UNV-L850-CD-U

**CANDELA DISTRIBUTION (FULL):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
0°	11314.3	11314.3	11314.3	11314.3	11314.3	11314.3	11314.3	11314.3	11314.3	11314.3	11314.3
1°	11338.4	11338.7	11340.3	11341.4	11341.5	11342.2	11340.8	11340.6	11339.1	11338.0	11337.9
2°	11332.6	11332.5	11335.9	11337.9	11338.1	11339.8	11337.2	11336.6	11334.8	11331.4	11331.3
3°	11322.2	11323.0	11328.6	11331.7	11331.8	11334.6	11330.6	11329.4	11325.8	11321.1	11321.4
4°	11308.8	11309.8	11318.3	11322.4	11321.7	11325.2	11320.8	11318.8	11313.2	11307.8	11307.8
5°	11292.9	11294.6	11303.9	11309.4	11309.2	11312.9	11308.5	11305.2	11297.6	11292.4	11291.6
6°	11273.0	11275.3	11286.3	11293.6	11293.3	11298.2	11292.1	11289.6	11279.0	11272.4	11271.4
7°	11251.8	11253.7	11265.6	11274.4	11274.9	11281.0	11273.5	11269.2	11257.3	11250.0	11248.7
8°	11226.9	11228.5	11241.1	11252.0	11252.7	11260.1	11252.0	11246.5	11232.1	11223.2	11222.4
9°	11198.3	11200.0	11213.7	11226.4	11227.0	11236.1	11226.1	11219.8	11202.9	11194.0	11192.9
10°	11167.3	11168.4	11184.3	11197.5	11199.2	11209.2	11196.6	11189.8	11171.0	11161.1	11160.8
11°	11131.6	11133.7	11150.6	11164.9	11167.4	11178.7	11164.3	11156.3	11136.2	11125.1	11125.2
12°	11093.6	11095.4	11113.9	11129.3	11132.9	11144.6	11129.2	11119.8	11097.9	11086.1	11086.3
13°	11052.2	11053.8	11073.6	11091.2	11094.6	11108.6	11089.8	11080.3	11055.8	11043.2	11044.6
14°	11008.5	11008.1	11030.3	11048.0	11051.9	11067.4	11047.6	11036.6	11010.2	10998.3	11000.1
15°	10960.0	10958.6	10982.7	11002.9	11006.8	11024.4	11001.8	10989.7	10962.1	10948.7	10951.9
16°	10907.2	10906.1	10931.3	10952.9	10957.9	10976.8	10952.7	10940.3	10910.0	10897.0	10899.4
17°	10851.7	10850.5	10876.6	10900.4	10906.5	10925.6	10899.8	10886.6	10853.0	10840.4	10843.8
18°	10791.1	10789.7	10817.8	10843.0	10850.7	10871.2	10844.4	10829.7	10792.8	10780.9	10783.4
19°	10728.1	10727.2	10754.8	10783.4	10793.3	10813.9	10784.1	10767.8	10729.0	10716.5	10720.6
20°	10661.5	10659.9	10688.9	10718.7	10731.1	10752.1	10721.1	10702.6	10660.3	10648.5	10652.2
21°	10588.9	10588.8	10618.4	10650.6	10664.1	10684.8	10653.0	10632.0	10586.6	10574.1	10580.7
22°	10513.8	10513.0	10543.0	10578.7	10591.7	10613.6	10580.0	10557.8	10508.7	10496.5	10504.1
23°	10434.8	10433.7	10465.0	10501.8	10514.6	10538.1	10502.6	10477.2	10426.2	10412.6	10422.2
24°	10352.4	10350.5	10382.4	10418.8	10432.7	10457.0	10419.3	10392.4	10337.5	10325.6	10336.6
25°	10264.0	10261.4	10294.2	10331.1	10345.8	10373.0	10333.1	10303.0	10244.2	10232.9	10244.6
26°	10171.0	10169.4	10202.9	10240.5	10254.6	10282.4	10239.8	10208.7	10145.3	10133.9	10150.7
27°	10074.2	10069.5	10105.3	10145.2	10158.2	10186.5	10143.2	10107.8	10041.8	10030.9	10049.7
28°	9969.9	9964.8	10002.5	10044.1	10056.1	10084.9	10037.4	10002.0	9931.2	9921.8	9941.6
29°	9864.0	9855.2	9895.5	9938.0	9950.3	9978.2	9930.3	9890.7	9817.0	9806.5	9832.2
30°	9748.4	9739.9	9780.8	9826.3	9837.9	9866.0	9814.4	9771.8	9695.7	9685.0	9711.8
31°	9630.5	9619.8	9663.3	9708.3	9720.1	9747.8	9690.6	9649.4	9566.3	9556.6	9590.5
32°	9503.8	9494.2	9535.6	9584.8	9594.9	9622.9	9564.0	9516.4	9430.9	9421.1	9459.8
33°	9373.4	9364.2	9405.7	9455.8	9466.2	9493.0	9428.9	9378.7	9289.3	9279.7	9324.4
34°	9236.6	9225.3	9268.3	9319.2	9328.2	9356.3	9282.7	9233.0	9137.9	9129.4	9178.6
35°	9089.1	9077.9	9124.2	9174.9	9182.3	9210.7	9134.9	9077.9	8980.0	8972.7	9027.6
36°	8938.8	8928.8	8973.8	9025.3	9031.2	9056.1	8976.6	8916.5	8816.8	8808.2	8868.5
37°	8782.4	8771.2	8813.8	8868.2	8869.5	8896.0	8811.7	8745.0	8643.7	8633.6	8701.5
38°	8618.0	8606.7	8649.7	8702.5	8701.9	8728.8	8637.7	8568.5	8460.2	8453.4	8526.6
39°	8446.1	8436.3	8478.4	8531.8	8525.2	8551.0	8454.0	8384.0	8270.0	8261.5	8344.6
40°	8269.7	8259.5	8298.0	8353.6	8340.4	8365.2	8263.8	8189.1	8071.9	8065.4	8153.1
41°	8083.9	8075.6	8112.4	8164.8	8146.9	8173.0	8066.1	7991.8	7870.3	7857.4	7956.8
42°	7894.6	7883.9	7919.4	7968.3	7945.5	7972.4	7859.9	7781.3	7656.2	7644.1	7750.3
43°	7698.2	7690.1	7720.5	7765.6	7737.1	7761.0	7643.8	7567.5	7437.8	7426.1	7537.5
44°	7489.3	7487.1	7510.6	7556.2	7517.6	7542.6	7420.7	7346.6	7210.4	7194.9	7313.6



TEST NUMBER: P295277

CATALOG NUMBER: UHB-24-UNV-L850-CD-U

**CANDELA DISTRIBUTION (continued):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	7278.8	7274.2	7298.6	7336.8	7294.9	7317.3	7192.7	7119.6	6978.8	6960.3	7085.5
46°	7056.5	7055.8	7080.7	7115.7	7059.6	7083.1	6954.8	6886.0	6741.9	6720.1	6849.4
47°	6829.1	6828.9	6853.6	6880.7	6820.4	6840.1	6708.4	6646.4	6494.1	6474.8	6606.2
48°	6589.5	6590.3	6621.4	6649.0	6577.1	6590.4	6459.0	6403.3	6248.9	6223.0	6355.8
49°	6340.4	6342.4	6382.4	6400.2	6322.3	6332.5	6203.6	6150.9	5993.8	5963.6	6099.3
50°	6081.7	6084.0	6134.5	6150.7	6061.4	6065.9	5939.6	5896.9	5731.4	5702.3	5839.2
51°	5806.6	5812.5	5878.7	5893.1	5793.8	5795.2	5666.8	5632.9	5468.0	5433.1	5566.9
52°	5526.4	5530.4	5615.3	5631.0	5518.5	5521.0	5393.8	5363.6	5195.8	5160.3	5296.1
53°	5230.8	5231.3	5343.4	5363.7	5237.9	5247.1	5108.3	5086.8	4927.5	4880.2	5014.4
54°	4923.2	4923.2	5058.8	5085.7	4952.8	4970.6	4819.6	4803.1	4648.8	4596.8	4731.9
55°	4610.7	4611.5	4760.6	4806.2	4663.8	4689.6	4528.5	4509.4	4371.2	4313.3	4446.2
56°	4290.2	4299.1	4450.5	4515.1	4370.0	4404.7	4220.6	4200.1	4080.3	4025.2	4148.2
57°	3972.4	3983.5	4129.9	4219.1	4073.1	4117.3	3903.9	3883.9	3782.2	3731.5	3850.7
58°	3646.2	3654.3	3806.9	3908.9	3769.6	3820.8	3578.2	3558.3	3472.5	3426.3	3544.8
59°	3317.7	3328.5	3474.3	3588.2	3462.2	3518.1	3242.9	3224.7	3151.4	3122.9	3228.6
60°	2990.3	3004.0	3138.9	3253.2	3144.8	3204.3	2916.4	2905.9	2824.3	2810.5	2906.1
61°	2693.1	2684.2	2819.6	2926.6	2820.5	2881.3	2597.9	2587.1	2496.8	2494.6	2583.6
62°	2396.0	2388.2	2500.3	2592.7	2500.6	2558.2	2301.9	2268.6	2194.5	2196.3	2261.5
63°	2098.9	2113.2	2181.7	2259.6	2192.9	2236.3	2018.7	1984.8	1914.7	1901.2	1965.1
64°	1853.9	1866.6	1917.6	1959.3	1907.8	1951.0	1764.4	1731.0	1668.6	1634.8	1694.2
65°	1629.6	1641.6	1687.4	1689.2	1644.7	1691.6	1537.4	1507.3	1445.8	1405.5	1447.3
66°	1429.2	1439.6	1483.5	1455.6	1412.1	1466.2	1334.0	1306.6	1250.1	1212.0	1226.1
67°	1246.2	1261.0	1300.3	1258.5	1206.4	1271.7	1155.8	1134.0	1101.5	1070.8	1044.0
68°	1079.9	1116.0	1138.9	1092.3	1057.7	1102.0	1021.6	980.9	953.5	930.4	890.0
69°	937.0	971.4	991.0	948.5	909.3	954.5	888.2	849.9	805.5	790.1	769.1
70°	808.8	826.8	861.4	812.3	760.9	822.6	754.8	736.7	688.5	684.8	662.5
71°	699.2	720.1	746.2	701.8	661.1	709.6	648.3	632.1	588.0	593.8	579.5
72°	606.8	624.1	643.0	610.9	571.8	614.0	566.3	548.7	505.4	510.8	501.3
73°	521.9	537.9	555.1	519.6	487.2	524.4	490.3	470.3	432.0	442.1	434.6
74°	436.3	457.0	474.7	455.5	430.8	450.9	423.0	407.9	370.1	380.0	373.4
75°	368.2	387.8	409.9	390.8	369.2	387.0	357.1	347.9	319.2	324.7	319.4
76°	310.6	326.8	342.3	332.7	318.5	329.4	305.5	298.2	274.8	277.0	280.9
77°	271.0	279.0	302.1	285.1	276.3	286.0	261.7	262.2	237.9	239.5	242.4
78°	231.5	236.9	261.9	249.6	239.8	250.8	226.5	226.3	206.2	208.2	204.0
79°	192.0	202.7	221.7	214.0	207.8	215.6	195.3	190.6	178.2	180.1	176.0
80°	163.1	172.0	181.9	178.8	179.0	180.4	169.0	164.5	153.6	154.2	150.7
81°	138.6	145.2	153.9	152.0	154.0	154.0	144.2	140.4	130.8	129.3	127.5
82°	115.0	119.3	126.9	127.4	129.9	129.2	120.5	117.3	111.1	108.5	105.2
83°	92.4	96.2	102.0	104.4	108.5	105.0	99.2	95.6	91.5	87.8	83.7
84°	73.0	73.3	79.4	82.4	87.0	84.0	78.0	78.3	71.9	67.2	65.8
85°	58.6	59.7	62.9	65.2	65.6	67.8	65.4	65.3	60.7	55.2	54.4
86°	51.1	52.1	53.9	54.6	53.7	57.4	56.8	55.5	50.6	47.8	48.3
87°	46.2	46.7	47.9	48.2	47.6	48.6	48.2	48.0	46.9	45.5	45.3
88°	44.9	45.0	45.3	45.9	45.9	46.3	46.3	46.3	45.4	44.2	44.3
89°	43.6	43.8	44.2	44.9	44.7	44.9	44.3	44.1	43.0	42.1	42.7



TEST NUMBER: P295277

CATALOG NUMBER: UHB-24-UNV-L850-CD-U

**CANDELA DISTRIBUTION (continued):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	42.0	42.0	42.6	43.5	42.9	42.9	42.7	42.6	42.6	41.7	41.8
91°	41.8	41.7	41.8	42.7	42.6	42.8	42.6	42.7	42.6	41.6	41.7
92°	41.7	41.7	41.7	42.8	42.7	42.8	42.7	42.8	42.7	41.6	41.7
93°	41.7	41.6	41.7	42.9	42.8	42.9	42.8	42.9	42.9	41.6	41.6
94°	41.7	41.6	41.6	43.0	42.9	43.0	43.0	43.0	43.0	41.6	41.6
95°	41.7	41.6	41.6	43.1	43.1	43.2	43.1	43.2	43.2	41.6	41.6
96°	41.7	41.6	41.6	43.2	43.2	43.3	43.3	43.3	43.3	41.6	41.7
97°	41.7	41.6	41.6	43.4	43.4	43.5	43.5	43.5	43.6	41.6	41.7
98°	41.7	41.6	41.7	43.6	43.6	43.7	43.7	43.7	43.8	41.6	41.7
99°	41.8	41.6	41.7	43.8	43.8	43.9	43.9	43.9	44.0	41.7	41.8
100°	41.9	41.7	41.8	44.0	44.0	44.2	44.2	44.2	44.3	41.8	41.9
101°	42.0	41.8	41.9	44.2	44.2	44.4	44.4	44.5	44.6	41.9	42.0
102°	42.1	42.0	42.0	44.5	44.5	44.7	44.7	44.8	44.9	42.1	42.2
103°	42.3	42.1	42.2	44.8	44.8	45.0	45.1	45.1	45.2	42.3	42.4
104°	42.6	42.4	42.3	45.1	45.2	45.3	45.4	45.5	45.6	42.6	42.7
105°	42.8	42.6	42.6	45.5	45.5	45.8	45.8	45.9	46.0	42.8	42.9
106°	43.0	42.8	42.8	45.9	45.9	46.2	46.2	46.3	46.4	43.1	43.2
107°	43.3	43.1	43.1	46.3	46.3	46.6	46.7	46.7	46.8	43.4	43.5
108°	43.6	43.4	43.4	46.7	46.7	47.0	47.1	47.2	47.3	43.7	43.9
109°	44.0	43.7	43.7	47.2	47.2	47.5	47.6	47.7	47.8	44.1	44.2
110°	44.3	44.1	44.1	47.7	47.7	48.0	48.1	48.2	48.3	44.5	44.6
111°	44.7	44.5	44.5	48.2	48.2	48.5	48.7	48.7	48.8	44.9	45.0
112°	45.1	44.9	44.9	48.7	48.7	49.0	49.2	49.2	49.4	45.3	45.4
113°	45.5	45.3	45.3	49.2	49.2	49.5	49.7	49.7	50.0	45.8	45.8
114°	46.0	45.7	45.8	49.8	49.8	50.1	50.3	50.3	50.6	46.3	46.3
115°	46.5	46.2	46.2	50.4	50.4	50.7	50.9	50.9	51.2	46.8	46.8
116°	47.0	46.7	46.7	51.0	51.0	51.3	51.5	51.5	51.9	47.4	47.4
117°	47.6	47.2	47.2	51.6	51.7	52.0	52.2	52.2	52.7	48.0	48.0
118°	48.2	47.8	47.8	52.3	52.4	52.7	52.9	53.0	53.4	48.7	48.6
119°	48.9	48.5	48.4	53.0	53.1	53.3	53.6	53.7	54.1	49.3	49.3
120°	49.5	49.1	49.0	53.7	53.8	54.0	54.3	54.4	54.8	50.0	50.0
121°	50.2	49.8	49.6	54.4	54.6	54.7	54.9	55.1	55.6	50.7	50.6
122°	50.8	50.5	50.3	55.1	55.3	55.4	55.6	55.8	56.3	51.4	51.4
123°	51.5	51.2	51.0	55.9	56.0	56.2	56.3	56.5	56.9	52.1	52.1
124°	52.2	51.9	51.7	56.6	56.7	56.9	57.0	57.2	57.5	52.7	52.8
125°	52.9	52.6	52.4	57.3	57.4	57.6	57.8	57.9	58.2	53.4	53.5
126°	53.6	53.3	53.1	58.0	58.2	58.4	58.5	58.6	58.9	54.2	54.2
127°	54.3	54.0	53.9	58.8	58.8	59.1	59.2	59.3	59.6	54.8	54.9
128°	55.0	54.7	54.6	59.4	59.5	59.8	59.9	60.0	60.3	55.5	55.6
129°	55.7	55.4	55.3	60.1	60.2	60.4	60.6	60.6	60.9	56.2	56.3
130°	56.4	56.2	56.0	60.8	60.8	61.1	61.3	61.3	61.6	56.9	56.9
131°	57.1	56.8	56.6	61.5	61.5	61.8	61.9	62.0	62.2	57.5	57.6
132°	57.8	57.5	57.3	62.2	62.1	62.4	62.6	62.6	62.9	58.1	58.2
133°	58.4	58.1	58.0	62.8	62.7	63.0	63.1	63.3	63.5	58.8	58.8
134°	59.0	58.7	58.6	63.4	63.3	63.7	63.7	63.9	64.2	59.4	59.5





TEST NUMBER: P295277

CATALOG NUMBER: UHB-24-UNV-L850-CD-U

**CANDELA DISTRIBUTION (continued):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
135°	59.6	59.4	59.3	64.0	63.9	64.3	64.4	64.6	64.8	60.0	60.2
136°	60.2	60.0	59.9	64.5	64.6	65.0	65.0	65.2	65.4	60.6	60.8
137°	60.8	60.6	60.5	65.1	65.2	65.6	65.6	65.8	66.0	61.3	61.4
138°	61.4	61.1	61.1	65.7	65.8	66.1	66.1	66.3	66.4	62.0	61.9
139°	62.0	61.7	61.6	66.3	66.3	66.6	66.7	66.8	66.9	62.5	62.4
140°	62.6	62.3	62.1	66.8	67.0	67.2	67.3	67.3	67.6	63.0	63.0
141°	63.2	63.0	62.8	67.5	67.6	67.9	67.9	68.0	68.3	63.6	63.7
142°	63.9	63.5	63.5	68.2	68.2	68.6	68.5	68.6	68.9	64.2	64.2
143°	64.4	64.0	64.0	68.8	68.8	69.2	69.1	69.2	69.4	64.8	64.8
144°	65.0	64.7	64.6	69.4	69.4	69.8	69.8	69.8	70.0	65.6	65.6
145°	65.7	65.5	65.4	70.0	70.0	70.4	70.4	70.3	70.5	66.3	66.3
146°	66.4	66.1	66.1	70.5	70.7	71.0	71.0	70.9	71.1	67.0	67.0
147°	67.1	66.8	66.7	71.1	71.3	71.6	71.6	71.5	71.7	67.7	67.6
148°	67.7	67.4	67.3	71.7	71.9	72.3	72.2	72.2	72.3	68.2	68.3
149°	68.2	68.0	67.9	72.4	72.5	72.9	72.8	72.7	72.8	68.8	68.8
150°	69.0	68.7	68.6	73.1	73.1	73.5	73.4	73.3	73.4	69.6	69.6
151°	69.7	69.4	69.3	73.8	73.8	74.1	74.0	74.0	74.0	70.2	70.2
152°	70.4	70.1	70.0	74.4	74.4	74.7	74.6	74.6	74.6	70.9	70.9
153°	71.1	70.8	70.7	75.0	75.0	75.3	75.2	75.2	75.2	71.6	71.6
154°	71.8	71.5	71.4	75.7	75.6	75.9	75.8	75.8	75.8	72.3	72.4
155°	72.5	72.2	72.2	76.3	76.2	76.5	76.4	76.4	76.4	73.0	73.0
156°	73.2	72.9	72.8	76.9	76.7	77.0	77.0	77.0	77.0	73.7	73.7
157°	74.0	73.7	73.6	77.4	77.2	77.5	77.5	77.5	77.5	74.4	74.5
158°	74.7	74.4	74.4	77.9	77.7	78.0	77.9	77.9	77.9	74.9	75.2
159°	75.3	75.1	75.1	78.2	78.1	78.3	78.3	78.3	78.3	75.5	75.8
160°	76.0	75.8	75.7	78.6	78.4	78.7	78.6	78.6	78.6	76.2	76.5
161°	76.7	76.4	76.4	78.9	78.8	79.0	78.9	79.0	78.9	76.9	77.1
162°	77.4	77.0	77.0	79.2	79.1	79.3	79.2	79.3	79.3	77.5	77.7
163°	78.0	77.7	77.7	79.6	79.4	79.7	79.5	79.7	79.6	78.2	78.3
164°	78.6	78.4	78.4	80.0	79.8	80.0	79.9	80.0	80.0	78.8	78.9
165°	79.3	79.2	79.1	80.3	80.1	80.4	80.2	80.3	80.3	79.5	79.6
166°	80.0	79.8	79.7	80.6	80.4	80.6	80.4	80.5	80.5	80.1	80.2
167°	80.5	80.3	80.3	80.8	80.6	80.8	80.6	80.8	80.7	80.5	80.6
168°	80.9	80.7	80.7	81.0	80.7	81.0	80.7	80.9	80.8	81.0	81.1
169°	81.3	81.1	81.1	81.2	80.9	81.1	80.9	81.1	81.0	81.3	81.4
170°	81.6	81.4	81.4	81.5	81.2	81.4	81.2	81.3	81.2	81.7	81.8
171°	82.0	81.7	81.8	81.8	81.5	81.7	81.5	81.6	81.5	82.0	82.1
172°	82.2	82.0	82.0	82.1	81.8	82.0	81.8	82.0	81.8	82.2	82.4
173°	82.4	82.1	82.3	82.4	82.1	82.2	82.1	82.2	82.0	82.5	82.5
174°	82.9	82.7	82.7	82.6	82.2	82.4	82.3	82.4	82.2	83.0	83.0
175°	83.1	82.9	83.0	82.7	82.3	82.6	82.4	82.5	82.3	83.1	83.3
176°	83.2	83.0	83.1	82.8	82.4	82.6	82.4	82.6	82.4	83.2	83.3
177°	83.5	83.2	83.3	82.9	82.6	82.8	82.6	82.7	82.5	83.4	83.6
178°	83.6	83.3	83.5	83.2	82.8	83.0	82.8	83.0	82.7	83.5	83.7
179°	83.7	83.5	83.6	83.6	83.2	83.4	83.1	83.3	83.1	83.6	83.8



TEST NUMBER: P295277

CATALOG NUMBER: UHB-24-UNV-L850-CD-U

**CANDELA DISTRIBUTION (continued):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
180°	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4



TEST NUMBER: P295277

CATALOG NUMBER: UHB-24-UNV-L850-CD-U

**CANDELA DISTRIBUTION (continued):**

	330°	360°
0°	11314.3	11314.3
1°	11337.6	11338.4
2°	11330.2	11332.6
3°	11319.0	11322.2
4°	11304.9	11308.8
5°	11287.5	11292.9
6°	11266.8	11273.0
7°	11242.8	11251.8
8°	11216.0	11226.9
9°	11187.1	11198.3
10°	11154.7	11167.3
11°	11118.6	11131.6
12°	11079.5	11093.6
13°	11036.6	11052.2
14°	10991.2	11008.5
15°	10942.4	10960.0
16°	10889.2	10907.2
17°	10833.7	10851.7
18°	10774.2	10791.1
19°	10710.5	10728.1
20°	10642.9	10661.5
21°	10570.4	10588.9
22°	10494.5	10513.8
23°	10412.5	10434.8
24°	10328.3	10352.4
25°	10238.0	10264.0
26°	10143.5	10171.0
27°	10042.7	10074.2
28°	9937.7	9969.9
29°	9828.4	9864.0
30°	9711.8	9748.4
31°	9592.4	9630.5
32°	9463.0	9503.8
33°	9331.1	9373.4
34°	9191.6	9236.6
35°	9043.4	9089.1
36°	8888.0	8938.8
37°	8729.4	8782.4
38°	8562.7	8618.0
39°	8385.0	8446.1
40°	8202.1	8269.7
41°	8010.4	8083.9
42°	7812.4	7894.6
43°	7610.0	7698.2
44°	7392.9	7489.3



TEST NUMBER: P295277

CATALOG NUMBER: UHB-24-UNV-L850-CD-U

**CANDELA DISTRIBUTION (continued):**

	330°	360°
45°	7172.3	7278.8
46°	6940.7	7056.5
47°	6706.4	6829.1
48°	6461.1	6589.5
49°	6211.4	6340.4
50°	5955.9	6081.7
51°	5692.2	5806.6
52°	5426.0	5526.4
53°	5147.1	5230.8
54°	4858.3	4923.2
55°	4565.3	4610.7
56°	4254.9	4290.2
57°	3936.2	3972.4
58°	3595.3	3646.2
59°	3261.5	3317.7
60°	2933.0	2990.3
61°	2606.1	2693.1
62°	2297.8	2396.0
63°	2003.8	2098.9
64°	1747.4	1853.9
65°	1521.4	1629.6
66°	1323.7	1429.2
67°	1150.1	1246.2
68°	1012.4	1079.9
69°	875.1	937.0
70°	737.7	808.8
71°	629.5	699.2
72°	544.7	606.8
73°	466.1	521.9
74°	398.2	436.3
75°	337.5	368.2
76°	288.1	310.6
77°	245.0	271.0
78°	210.6	231.5
79°	180.9	192.0
80°	153.7	163.1
81°	128.6	138.6
82°	108.0	115.0
83°	87.5	92.4
84°	67.0	73.0
85°	55.3	58.6
86°	48.4	51.1
87°	45.4	46.2
88°	44.4	44.9
89°	42.9	43.6



TEST NUMBER: P295277

CATALOG NUMBER: UHB-24-UNV-L850-CD-U

**CANDELA DISTRIBUTION (continued):**

	330°	360°
90°	41.9	42.0
91°	41.8	41.8
92°	41.8	41.7
93°	41.7	41.7
94°	41.7	41.7
95°	41.7	41.7
96°	41.7	41.7
97°	41.7	41.7
98°	41.8	41.7
99°	41.8	41.8
100°	41.9	41.9
101°	42.0	42.0
102°	42.2	42.1
103°	42.4	42.3
104°	42.8	42.6
105°	43.1	42.8
106°	43.4	43.0
107°	43.7	43.3
108°	44.0	43.6
109°	44.4	44.0
110°	44.8	44.3
111°	45.2	44.7
112°	45.6	45.1
113°	46.0	45.5
114°	46.4	46.0
115°	47.0	46.5
116°	47.5	47.0
117°	48.1	47.6
118°	48.7	48.2
119°	49.4	48.9
120°	50.0	49.5
121°	50.7	50.2
122°	51.5	50.8
123°	52.1	51.5
124°	52.7	52.2
125°	53.3	52.9
126°	54.1	53.6
127°	54.8	54.3
128°	55.5	55.0
129°	56.1	55.7
130°	56.8	56.4
131°	57.5	57.1
132°	58.1	57.8
133°	58.6	58.4
134°	59.3	59.0



TEST NUMBER: P295277

CATALOG NUMBER: UHB-24-UNV-L850-CD-U

**CANDELA DISTRIBUTION (continued):**

	330°	360°
135°	59.9	59.6
136°	60.5	60.2
137°	61.1	60.8
138°	61.7	61.4
139°	62.2	62.0
140°	62.9	62.6
141°	63.6	63.2
142°	64.1	63.9
143°	64.7	64.4
144°	65.4	65.0
145°	66.1	65.7
146°	66.8	66.4
147°	67.4	67.1
148°	67.9	67.7
149°	68.6	68.2
150°	69.3	69.0
151°	70.0	69.7
152°	70.6	70.4
153°	71.3	71.1
154°	72.0	71.8
155°	72.7	72.5
156°	73.4	73.2
157°	74.2	74.0
158°	74.8	74.7
159°	75.5	75.3
160°	76.2	76.0
161°	76.8	76.7
162°	77.5	77.4
163°	78.1	78.0
164°	78.7	78.6
165°	79.4	79.3
166°	79.9	80.0
167°	80.5	80.5
168°	80.8	80.9
169°	81.2	81.3
170°	81.5	81.6
171°	81.8	82.0
172°	82.1	82.2
173°	82.2	82.4
174°	82.7	82.9
175°	83.0	83.1
176°	83.0	83.2
177°	83.3	83.5
178°	83.4	83.6
179°	83.5	83.7



TEST NUMBER: P295277

CATALOG NUMBER: UHB-24-UNV-L850-CD-U

**CANDELA DISTRIBUTION (continued):**

	330°	360°
180°	83.4	83.4

(END OF REPORT)