

**REPORT NUMBER:** PRORATED FROM RAB04703

**PAGE:** 1 OF 10

**ISSUE DATE:** 12/18/18

**PREPARED FOR:** RAB LIGHTING INC.

**CATALOG NUMBER:** W34-90L

**LUMINAIRE:** WALLPACK WITH ALUMINUM PRECISION DIE CAST CONSTRUCTION, CLEAR GLASS LENS AND SPECULAR ALUMINUM REFLECTOR.

**LAMPS:** ONE HUNDRED AND EIGHTY WHITE LIGHT EMITTING DIODES (LEDs)

**ABSOLUTE:** NOTE: THIS REPORT WAS PRORATED FROM RAB04703 WHICH WAS W34-90L-830. ACTUAL PERFORMANCE MAY VARY.

**WATT:** TOTAL INPUT WATTS = 87.4 W AT 120.0 VAC.

**LED DRIVER:** LED DRIVER: RDD-SLP-080-A1750-S (-40C)

**NOTE:** LM-80 DATA AVAILABLE FROM MANUFACTURER FOR SOLID STATE SOURCE



Checked X.CAO

Approved D.WANG-MUNSON

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### ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

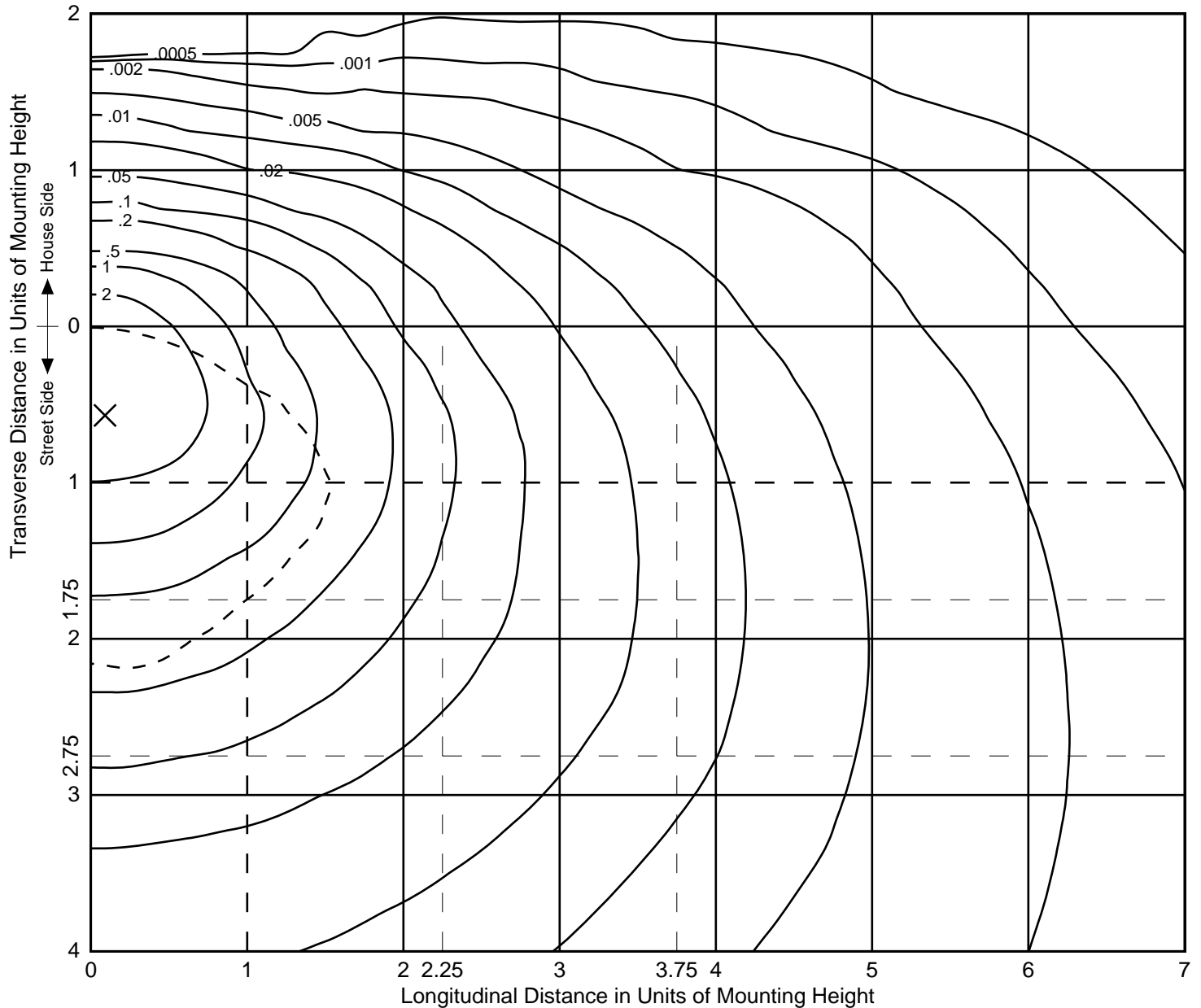
Values based on 28-foot mounting height

IES Classification: (does not classify)

Cutoff Classification (deprecated): Semicutoff

— — — — — 1/2 Maximum Candela trace

× Maximum Candela point



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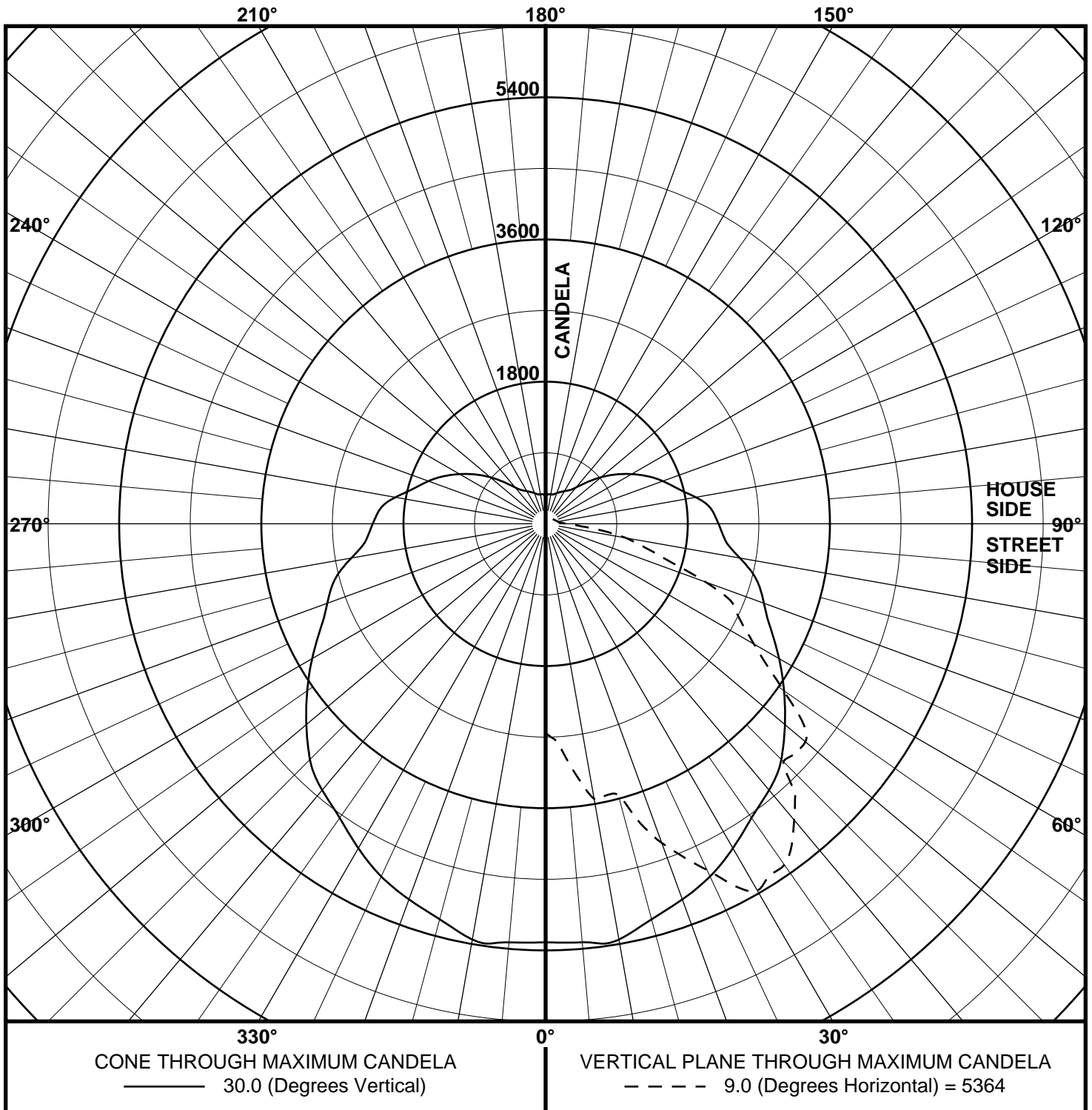
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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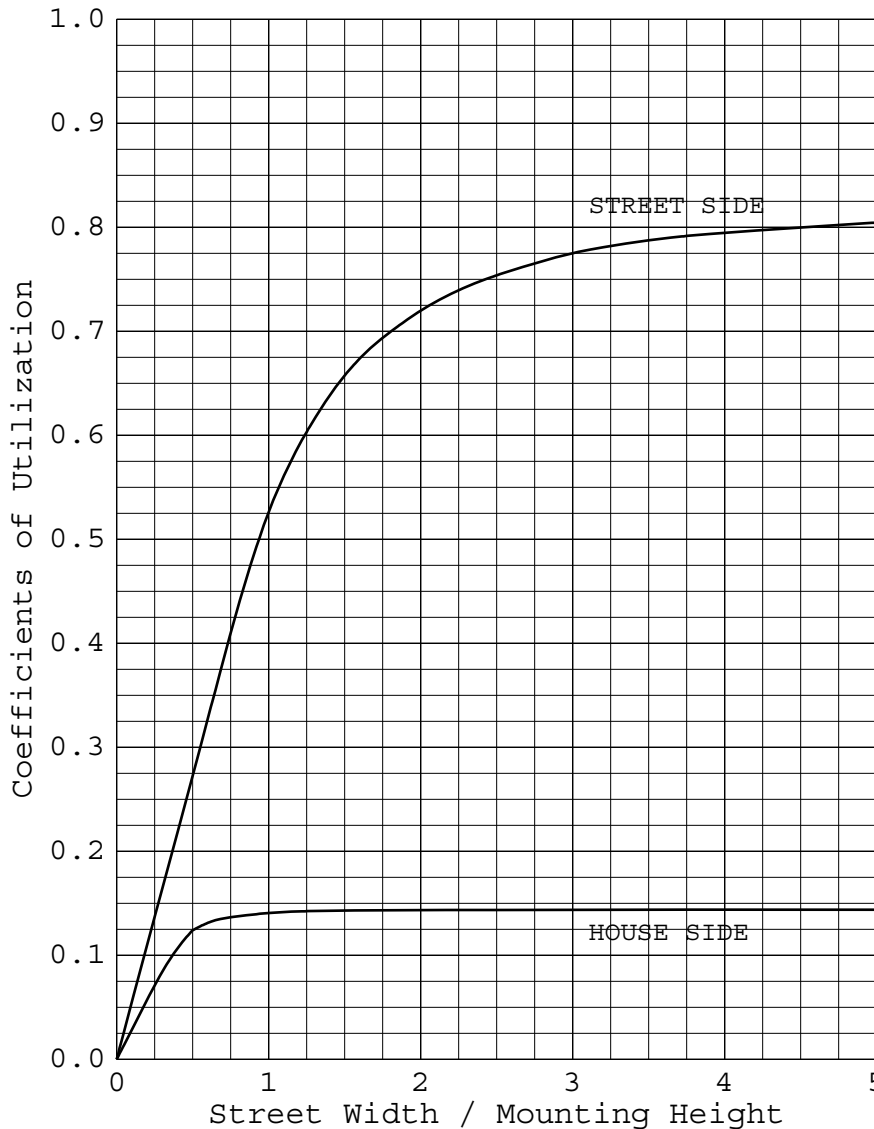
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### COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	7507	82.6
DOWNWARD HOUSE SIDE	1315	14.5
DOWNWARD TOTAL	8822	97.1
UPWARD STREET SIDE	236	2.6
UPWARD HOUSE SIDE	29	0.3
UPWARD TOTAL	265	2.9
TOTAL FLUX	9087	100.0

EFFICACY = 104.0 lm/W

ALL CANDELA AND LUMENS IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY.  
THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE  
LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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BUG Rating			<div>B2</div> <div>U3</div> <div>G3</div>		
Zonal Summary			Zone Ratings		
			B	U	G
Forward					
FL	(0° – 30°)	7507			
FM	(30° – 60°)	1472.6			
FH	(60° – 80°)	4067.6			
FVH	(80° – 90°)	1725.1			G1
		241.4			G3
Backward					
BL	(0° – 30°)	1315			
BM	(30° – 60°)	658.6	B2		
BH	(60° – 80°)	550.5	B1		
BVH	(80° – 90°)	94.9	B0		G0
		11.0			G1
Upward					
UL	(90° – 100°)	265			
UH	(100° – 180°)	78.3		U3	
		187.1		U3	
Trapped Light					
Total Flux					
		0			
		9087			
		100.0			

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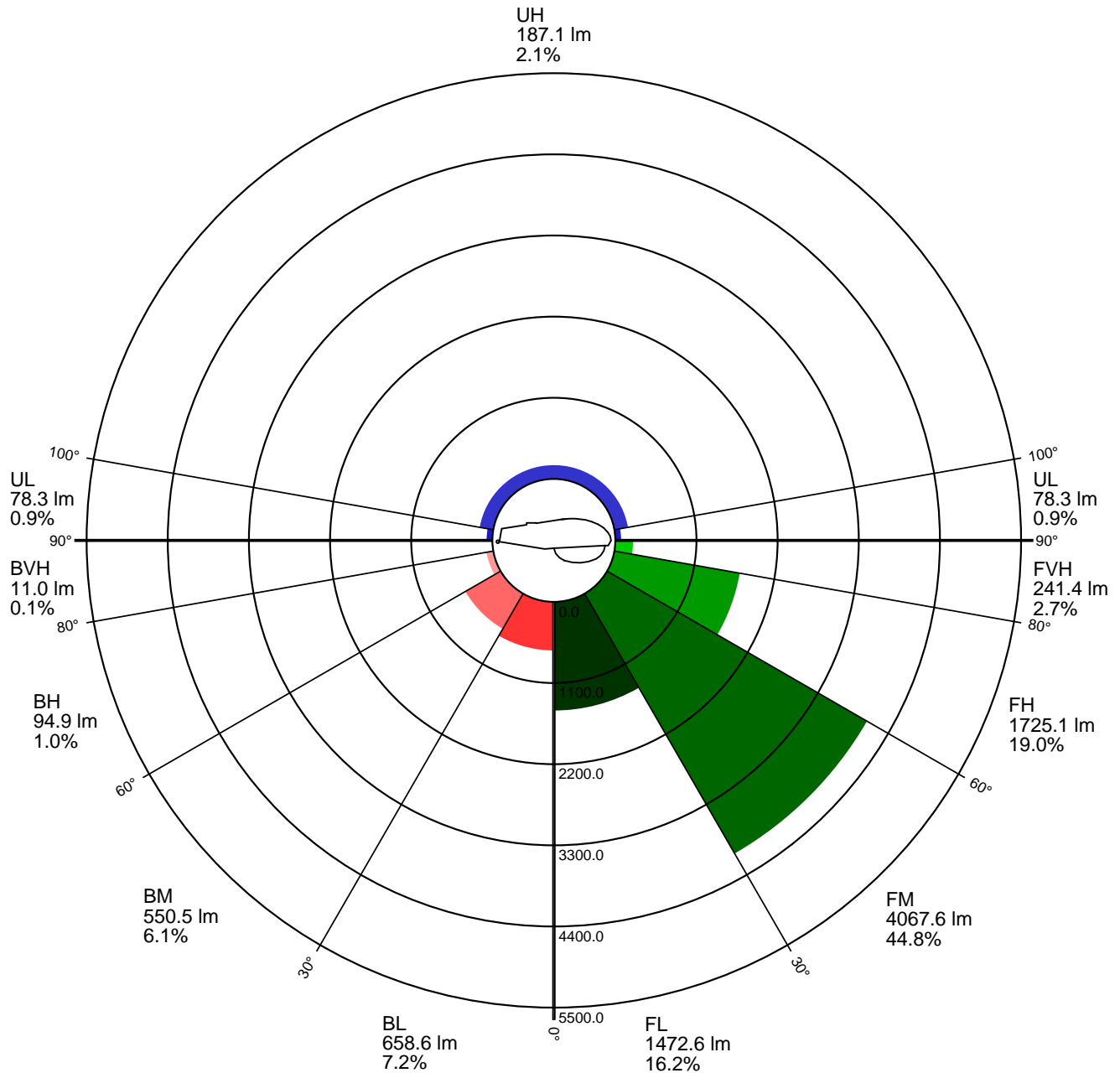
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## Zonal Lumen Summary

(Linear scale)



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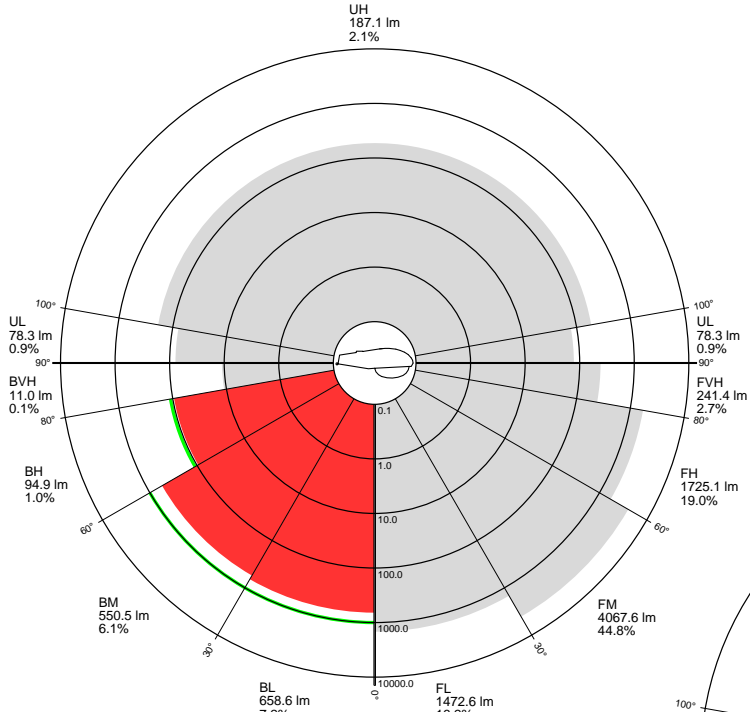
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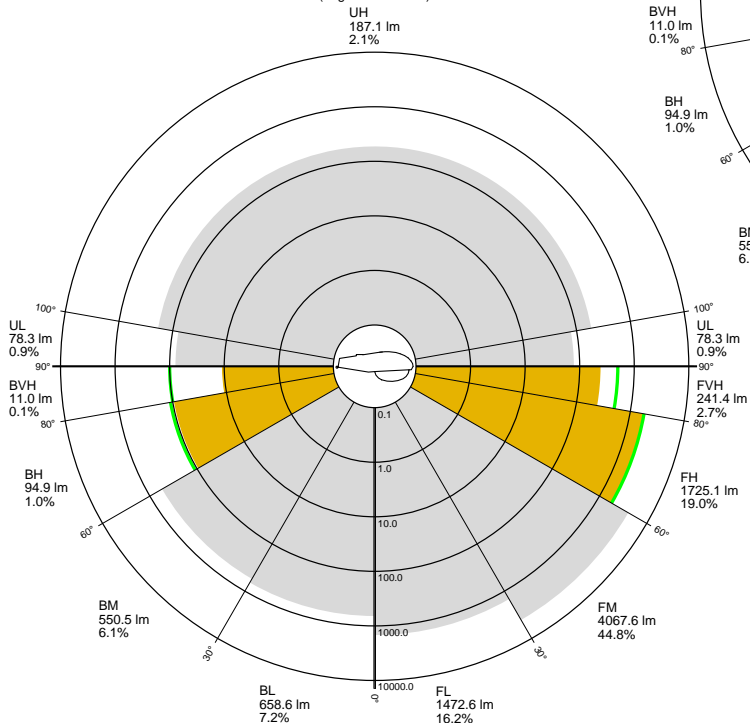
### Backlight Rating Details

(Logarithmic scale)



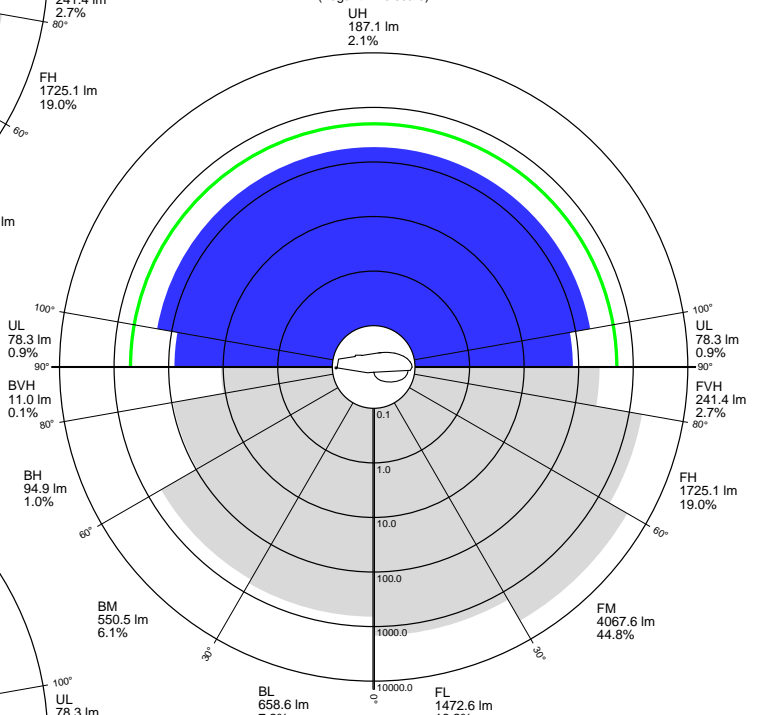
### Glare Rating Details

(Logarithmic scale)



### Uplight Rating Details

(Logarithmic scale)



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### CANDELA TABULATION

	STREET SIDE		LATERAL ANGLE								
	0.0	5.0	9.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	85.0
	180.0	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	175.0	2.	2.	2.	2.	3.	4.	6.	7.	8.	8.
	165.0	16.	16.	16.	15.	13.	11.	8.	6.	7.	9.
	155.0	45.	44.	44.	42.	38.	32.	24.	16.	10.	8.
	145.0	83.	82.	82.	79.	69.	59.	46.	33.	19.	11.
	135.0	110.	109.	108.	104.	94.	82.	64.	47.	33.	16.
	125.0	118.	118.	116.	111.	100.	87.	72.	54.	38.	21.
	115.0	136.	135.	133.	126.	112.	93.	75.	60.	47.	34.
	105.0	147.	146.	145.	139.	123.	104.	85.	71.	60.	44.
	95.0	189.	188.	185.	184.	166.	148.	125.	110.	96.	69.
	92.5	221.	220.	219.	214.	196.	177.	156.	143.	122.	86.
	90.0	268.	266.	261.	264.	244.	231.	207.	190.	163.	114.
	87.5	384.	376.	370.	381.	352.	339.	293.	268.	235.	164.
	85.0	557.	538.	530.	559.	515.	490.	460.	426.	350.	238.
V	82.5	817.	802.	787.	796.	751.	725.	661.	588.	480.	345.
E	80.0	1050.	1040.	1028.	1036.	995.	916.	836.	797.	652.	473.
R	77.5	1241.	1224.	1218.	1209.	1155.	1128.	1097.	1063.	844.	615.
T	75.0	1432.	1464.	1438.	1462.	1426.	1442.	1421.	1325.	1036.	741.
I	72.5	1751.	1736.	1735.	1775.	1790.	1820.	1749.	1564.	1226.	921.
C	70.0	2158.	2188.	2152.	2221.	2180.	2121.	1972.	1783.	1449.	1157.
A	67.5	2511.	2582.	2532.	2547.	2444.	2316.	2161.	2031.	1723.	1334.
L	65.0	2711.	2746.	2665.	2684.	2598.	2508.	2384.	2335.	1975.	1534.
	62.5	2817.	2874.	2832.	2896.	2800.	2756.	2720.	2657.	2195.	1665.
A	60.0	3050.	3144.	3050.	3111.	3045.	3105.	3083.	2900.	2393.	1844.
N	57.5	3271.	3355.	3315.	3427.	3415.	3535.	3400.	3056.	2611.	1972.
G	55.0	3685.	3752.	3677.	3771.	3828.	3762.	3546.	3191.	2813.	2052.
L	52.5	4055.	4129.	4090.	4206.	4115.	3922.	3665.	3466.	2926.	2102.
E	50.0	4343.	4429.	4293.	4280.	4234.	3966.	3863.	3645.	2980.	2119.
	47.5	4405.	4458.	4297.	4295.	4241.	4193.	4086.	3782.	3035.	2191.
	45.0	4359.	4425.	4257.	4282.	4510.	4468.	4203.	3864.	3080.	2326.
	42.5	4685.	4793.	4676.	4654.	4740.	4679.	4357.	3895.	3160.	2444.
	40.0	4850.	4949.	4896.	4848.	4929.	4805.	4452.	3824.	3175.	2502.
	37.5	5063.	5155.	5119.	5060.	5022.	4849.	4493.	3820.	3169.	2674.
	35.0	5147.	5221.	5270.	5084.	5037.	4867.	4386.	3816.	3125.	2788.
	32.5	5234.	5266.	5277.	5149.	5070.	4810.	4287.	3777.	3121.	2766.
	30.0<<	5298.	5318.	5364.	5184.	4927.	4547.	4220.	3685.	3144.	2769.
	25.0	4791.	4815.	4837.	4682.	4400.	4184.	3871.	3424.	3175.	2771.
	20.0	4314.	4301.	4300.	4190.	3992.	3695.	3501.	3380.	3089.	2692.
	15.0	3553.	3575.	3553.	3554.	3529.	3464.	3405.	3089.	2911.	2697.
	10.0	3554.	3561.	3538.	3444.	3232.	3148.	3186.	2817.	2894.	2669.
	5.0	2965.	2971.	2979.	2988.	2974.	2883.	2769.	2691.	2755.	2704.
	0.0	2649.	2649.	2649.	2649.	2649.	2649.	2649.	2649.	2649.	2649.

||  
PLANE OF MAXIMUM CANDELA

CONE OF MAXIMUM CANDELA



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CANDELA TABULATION											
	HOUSE SIDE					LATERAL ANGLE					
	90.0	95.0	105.0	115.0	125.0	135.0	145.0	155.0	165.0	175.0	180.0
180.0	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
175.0	8.	8.	8.	8.	7.	7.	6.	5.	5.	5.	5.
165.0	9.	9.	9.	9.	8.	8.	7.	7.	8.	8.	8.
155.0	9.	9.	9.	9.	9.	9.	9.	9.	9.	9.	9.
145.0	9.	9.	9.	9.	9.	9.	10.	10.	10.	10.	10.
135.0	10.	10.	9.	9.	9.	9.	9.	9.	10.	10.	10.
125.0	12.	11.	9.	9.	8.	8.	8.	8.	8.	8.	8.
115.0	18.	14.	10.	9.	8.	8.	7.	7.	7.	7.	7.
105.0	24.	21.	12.	10.	8.	7.	7.	7.	7.	7.	7.
95.0	29.	24.	16.	10.	8.	7.	6.	5.	6.	6.	6.
92.5	35.	27.	18.	11.	8.	7.	6.	5.	5.	5.	5.
90.0	53.	32.	21.	11.	8.	7.	6.	5.	5.	5.	5.
87.5	81.	42.	27.	13.	9.	7.	5.	5.	5.	5.	5.
85.0	120.	71.	36.	15.	9.	6.	5.	4.	4.	4.	4.
V 82.5	163.	112.	48.	19.	10.	6.	5.	4.	3.	4.	4.
E 80.0	227.	174.	65.	23.	10.	6.	5.	4.	3.	3.	3.
R 77.5	303.	239.	84.	30.	11.	6.	4.	3.	3.	2.	2.
T 75.0	377.	288.	106.	39.	13.	7.	4.	3.	2.	2.	2.
I 72.5	439.	341.	141.	55.	17.	7.	4.	3.	2.	2.	2.
C 70.0	527.	409.	186.	78.	24.	8.	4.	3.	2.	1.	1.
A 67.5	629.	524.	237.	105.	38.	9.	4.	3.	2.	1.	1.
L 65.0	722.	620.	310.	137.	54.	17.	4.	2.	2.	1.	0.
62.5	809.	704.	385.	175.	73.	31.	8.	3.	2.	1.	0.
A 60.0	934.	825.	497.	221.	98.	44.	23.	9.	4.	1.	0.
N 57.5	1057.	935.	582.	273.	125.	62.	34.	27.	16.	13.	12.
G 55.0	1162.	1028.	664.	329.	163.	81.	46.	36.	34.	34.	33.
L 52.5	1235.	1122.	766.	394.	210.	106.	66.	46.	41.	41.	41.
E 50.0	1390.	1263.	900.	466.	263.	135.	85.	67.	52.	49.	48.
47.5	1522.	1337.	995.	562.	321.	177.	109.	85.	73.	69.	66.
45.0	1622.	1461.	1112.	660.	378.	227.	138.	107.	93.	87.	83.
42.5	1736.	1568.	1201.	766.	444.	284.	184.	131.	115.	109.	105.
40.0	1803.	1647.	1315.	914.	515.	347.	238.	176.	139.	128.	122.
37.5	1901.	1737.	1433.	1032.	616.	416.	305.	235.	189.	169.	159.
35.0	2018.	1851.	1495.	1175.	751.	488.	371.	303.	249.	233.	217.
32.5	2132.	1990.	1572.	1292.	934.	579.	447.	373.	321.	310.	289.
30.0<<	2189.	2107.	1727.	1425.	1089.	745.	518.	444.	387.	374.	351.
25.0	2342.	2276.	1865.	1668.	1404.	1120.	865.	690.	561.	536.	499.
20.0	2471.	2329.	2244.	1884.	1693.	1486.	1303.	1135.	1110.	991.	965.
15.0	2532.	2401.	2254.	2097.	1953.	1802.	1624.	1663.	1508.	1397.	1359.
10.0	2589.	2577.	2572.	2295.	2437.	1982.	2085.	1961.	1867.	1773.	1765.
5.0	2638.	2609.	2565.	2653.	2629.	2550.	2408.	2360.	2375.	2434.	2462.
0.0	2649.	2649.	2649.	2649.	2649.	2649.	2649.	2649.	2649.	2649.	2649.

CONE OF MAXIMUM CANDELA

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5-DEGREE  
ZONAL LUMEN SUMMARY

0- 5	64
5- 10	189
10- 15	306
15- 20	416
20- 25	527
25- 30	630
30- 35	724
35- 40	783
40- 45	805
45- 50	801
50- 55	786
55- 60	719
60- 65	621
65- 70	526
70- 75	400
75- 80	273
80- 85	169
85- 90	84
90- 95	45
95-100	33
100-105	28
105-110	25
110-115	23
115-120	20
120-125	18
125-130	17
130-135	15
135-140	13
140-145	10
145-150	7
150-155	5
155-160	3
160-165	2
165-170	1
170-175	0
175-180	0

10-DEGREE  
ZONAL LUMEN SUMMARY

0- 10	252
0- 20	974
0- 30	2131
0- 40	3638
0- 50	5244
0- 60	6749
0- 70	7896
0- 80	8569
0- 90	8822
0-100	8900
0-110	8953
0-120	8996
0-130	9031
0-140	9058
0-150	9076
0-160	9084
0-170	9087
0-180	9087