

REPORT NUMBER: PRORATED FROM RAB04339

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ISSUE DATE: 05/02/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED3T50/480 - RWLED3T50/480 - RWLED3T50SF/480 -
WPLED3T50/480 (TYPE III)

LUMINAIRE: CAST FINNED METAL HOUSING, 6 CIRCUIT BOARDS EACH WITH 1 LED,
MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH AND 1 APERTURE PER LED,
CLEAR FLAT GLASS LENS IN CAST BROWN PAINTED METAL LENS FRAME.

LAMPS: SIX WHITE MULTI-CHIP LIGHT EMITTING DIODES (LEDs), 2 LEDs TILTED
63-DEGREES FROM VERTICAL BASE-UP POSITION AND CANTED 75-DEGREES FROM
STRAIGHT AHEAD, 2 LEDs TILTED 67-DEGREES FROM VERTICAL BASE-UP POSITION
AND CANTED 68-DEGREES FROM STRAIGHT AHEAD, 2 LEDs TILTED 58-DEGREES FROM
VERTICAL BASE-UP POSITION AND CANTED 40-DEGREES FROM STRAIGHT AHEAD.

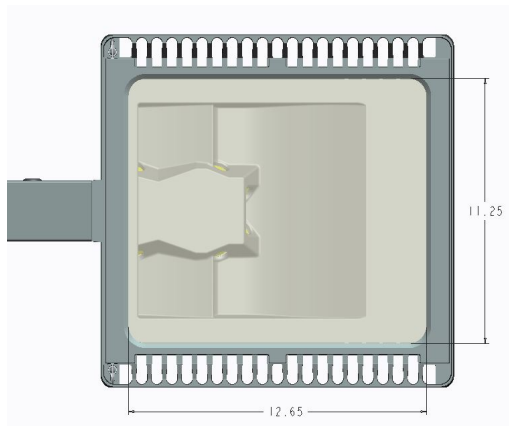
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04339 WHICH WAS
ALED3T50Y/480. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 53.9 W AT 480.0 VAC.

LED DRIVER: LED DRIVER: RDD-H65-36A-A1400-480

PROCEDURE: TEST PROCEDURE: IESNA LM-79-08

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

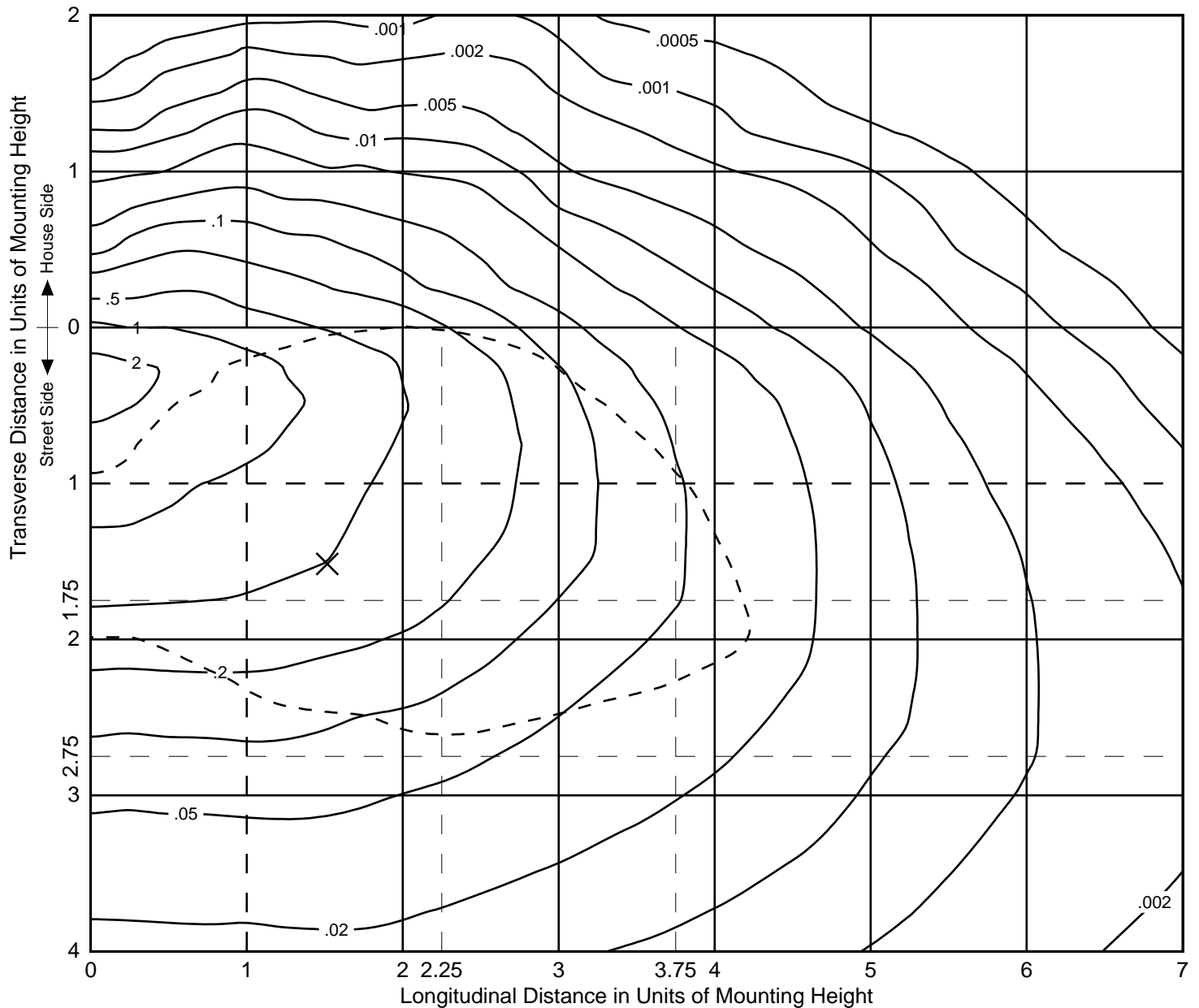
Values based on 25-foot mounting height

IES Classification: Short, Type III

Cutoff Classification (deprecated): Noncutoff

--- 1/2 Maximum Candela trace

X Maximum Candela point



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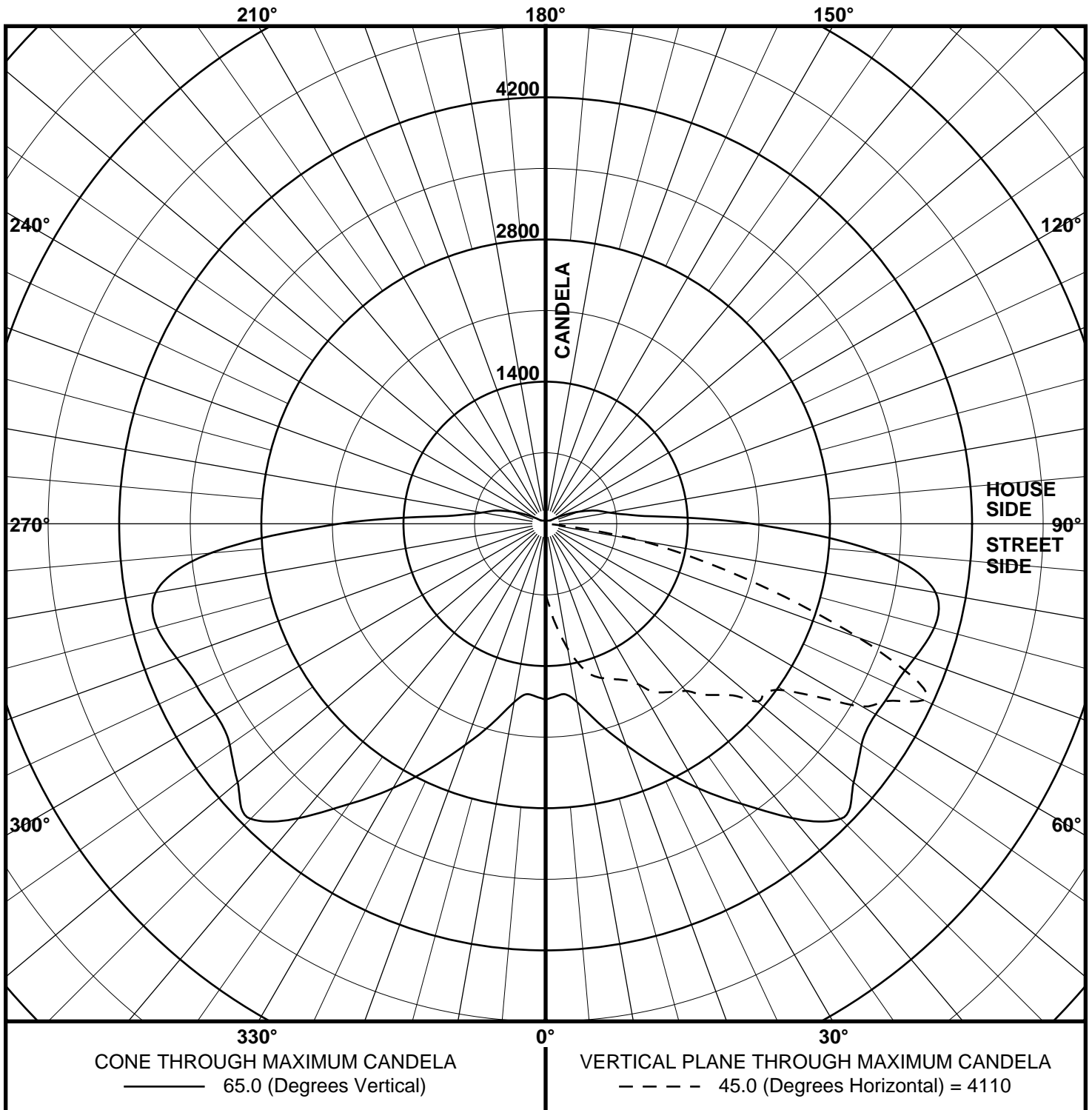
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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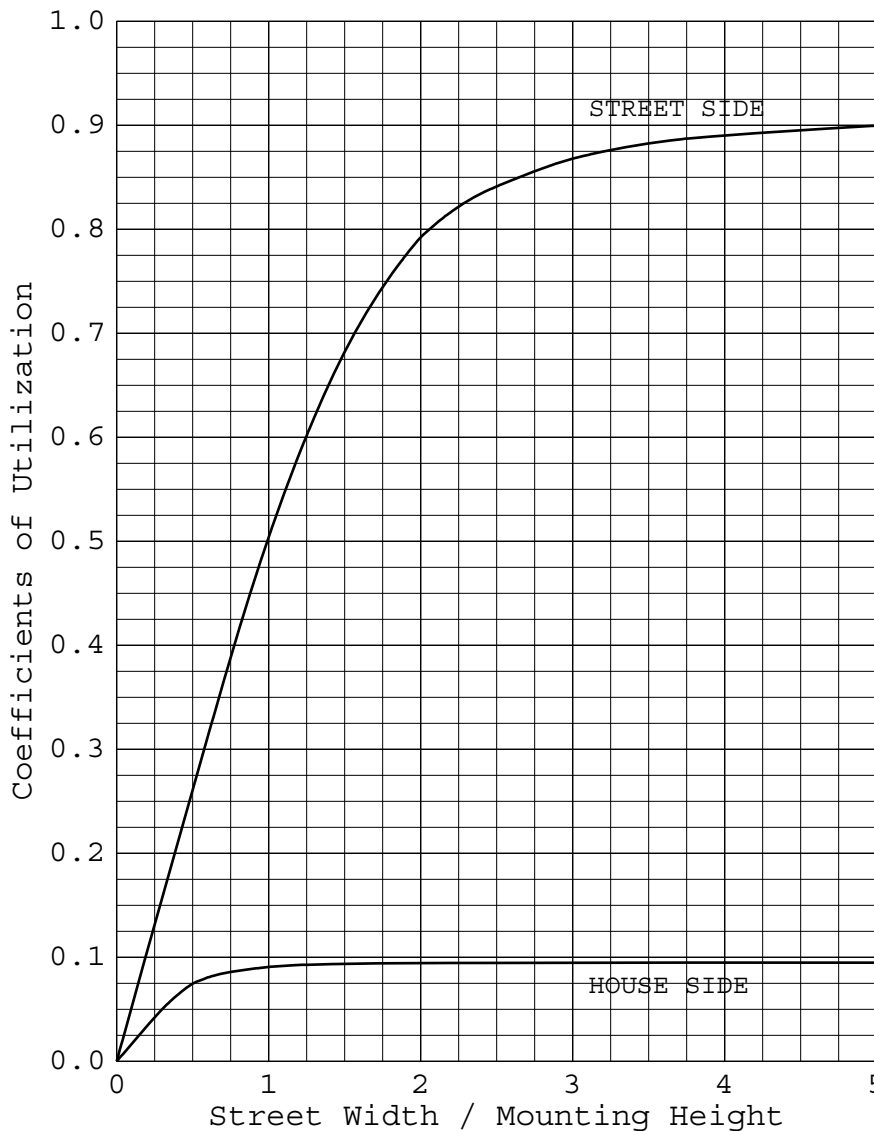
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	5968	90.5
DOWNWARD HOUSE SIDE	630	9.5
DOWNWARD TOTAL	6598	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	6598	100.0

EFFICACY = 122.4 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			B1 U0 G2		
Zonal Summary			Zone Ratings		
			B	U	G
Forward					
FL	(0° – 30°)	5968			
FM	(30° – 60°)	629.2			
FH	(60° – 80°)	2796.3			
FVH	(80° – 90°)	2444.7			G2
		98.0			G1
Backward					
BL	(0° – 30°)	630			
BM	(30° – 60°)	147.7	B1		
BH	(60° – 80°)	325.5	B1		
BVH	(80° – 90°)	153.4	B1		G1
		3.3			G0
Upward					
UL	(90° – 100°)	0			
UH	(100° – 180°)	0.0		U0	
		0.0		U0	
Trapped Light					
Total Flux					
		0			
		6598			
		100.0			

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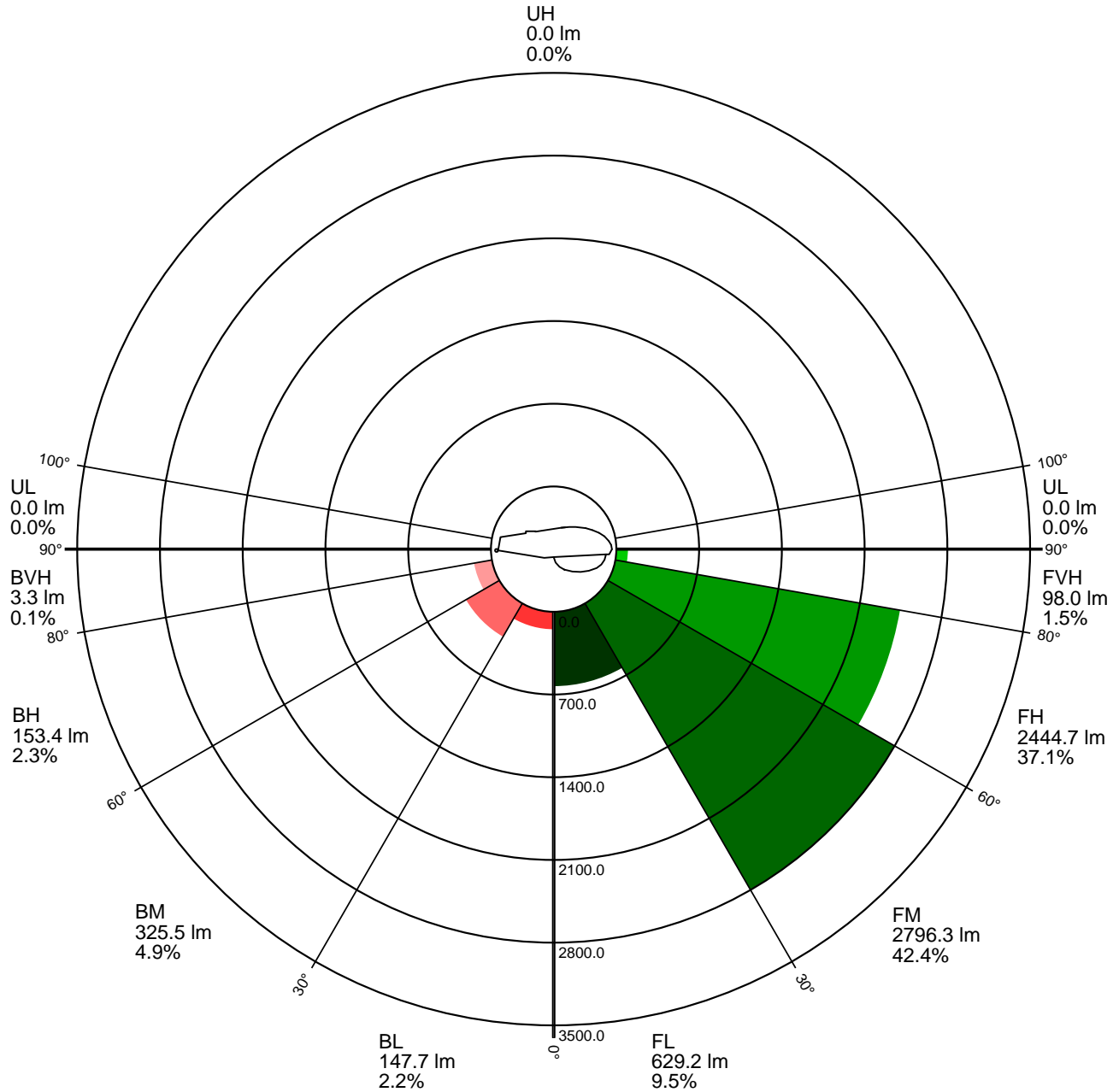
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Zonal Lumen Summary

(Linear scale)

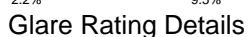


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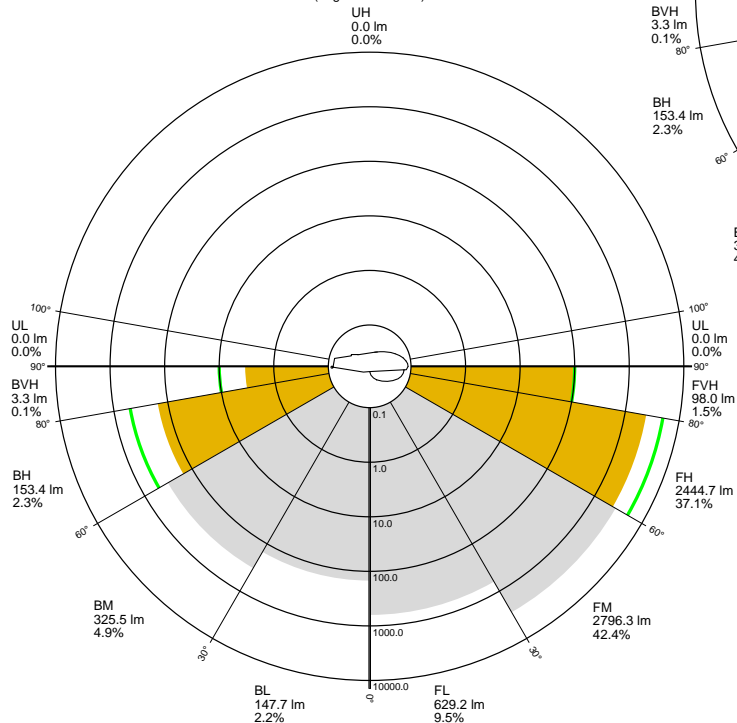
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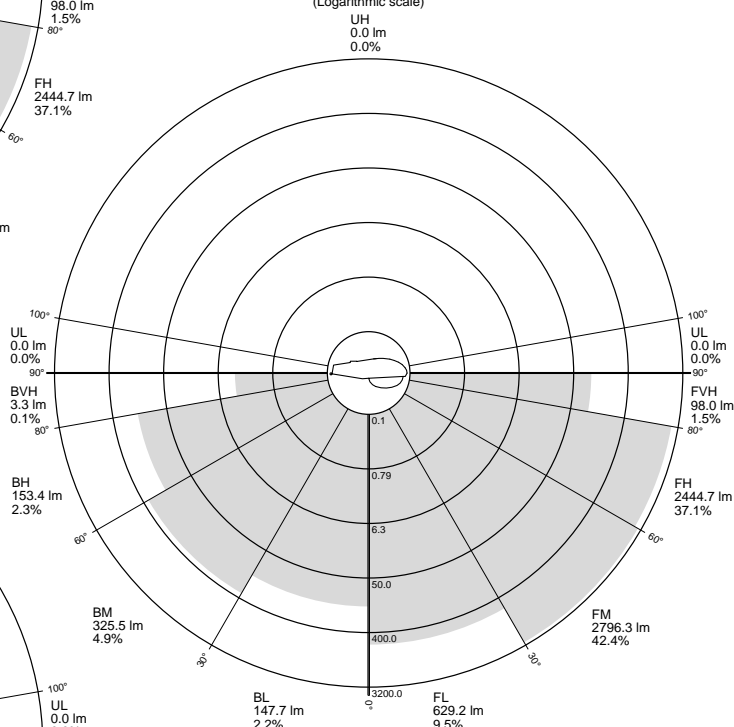
(Logarithmic scale)



(Logarithmic scale)



(Logarithmic scale)



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CANDELA TABULATION

	STREET SIDE										
	0.0	5.0	15.0	25.0	35.0	45.0	50.0	55.0	65.0	75.0	85.0
180.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
175.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
165.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
155.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
145.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
135.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
125.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
115.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
105.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
95.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
92.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
87.5	2.	2.	3.	4.	6.	8.	6.	8.	10.	8.	5.
85.0	11.	11.	28.	49.	57.	89.	92.	88.	121.	81.	11.
V 82.5	36.	62.	142.	185.	254.	359.	436.	515.	685.	467.	94.
E 80.0	115.	168.	278.	464.	584.	937.	1078.	1242.	1350.	947.	435.
R 77.5	405.	458.	584.	911.	1094.	1411.	1623.	1836.	2200.	1675.	1060.
T 75.0	785.	803.	955.	1308.	1579.	1961.	2166.	2328.	2862.	2264.	1363.
I 72.5	1057.	1044.	1222.	1625.	1938.	2595.	2877.	3115.	3611.	2992.	1811.
C 70.0	1266.	1243.	1457.	1943.	2303.	3284.	3711.	3994.	3927.	3673.	2515.
A 67.5	1523.	1480.	1726.	2255.	2836.	3886.	4094.	4068.	3909.	3879.	2993.
L 65.0<<	1731.	1688.	2037.	2644.	3369.	4110.	3961.	3798.	3790.	3960.	3310.
62.5	2183.	2137.	2525.	3176.	3792.	3781.	3807.	3720.	3547.	4024.	3256.
A 60.0	2831.	2792.	3118.	3642.	3783.	3598.	3524.	3392.	3607.	3899.	3113.
N 57.5	3264.	3276.	3423.	3521.	3356.	3171.	3124.	3202.	3839.	3616.	2889.
G 55.0	3221.	3219.	3108.	3035.	2988.	2856.	2922.	2968.	3556.	3234.	2642.
L 52.5	2745.	2741.	2752.	2677.	2621.	2728.	2786.	2986.	3102.	2909.	2281.
E 50.0	2440.	2437.	2482.	2367.	2345.	2724.	2704.	2883.	2874.	2635.	1912.
47.5	2265.	2253.	2232.	2179.	2306.	2501.	2570.	2626.	2567.	2427.	1796.
45.0	2114.	2112.	2060.	2113.	2313.	2383.	2440.	2362.	2331.	2275.	1615.
42.5	1977.	1988.	2005.	2195.	2214.	2283.	2273.	2227.	2177.	2102.	1467.
40.0	1989.	1994.	2028.	2128.	2161.	2148.	2161.	2093.	2035.	1999.	1355.
37.5	1870.	1857.	1926.	2137.	2043.	2085.	2037.	1948.	1903.	1824.	1287.
35.0	1929.	1922.	2009.	2046.	2047.	2027.	1976.	1909.	1884.	1702.	1222.
32.5	2027.	1999.	1933.	1951.	2034.	1961.	1901.	1855.	1877.	1707.	1186.
30.0	1992.	1972.	1923.	1927.	1923.	1826.	1806.	1794.	1828.	1672.	1164.
25.0	2056.	2039.	1873.	1805.	1733.	1691.	1682.	1684.	1643.	1385.	1011.
20.0	1905.	1906.	1802.	1682.	1634.	1616.	1601.	1566.	1421.	1182.	883.
15.0	1708.	1711.	1679.	1610.	1546.	1494.	1448.	1401.	1226.	1000.	784.
10.0	1536.	1531.	1525.	1441.	1370.	1245.	1184.	1126.	987.	840.	709.
5.0	1118.	1102.	1102.	1062.	1028.	959.	933.	896.	820.	756.	702.
0.0	696.	696.	696.	696.	696.	696.	696.	696.	696.	696.	696.

||
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	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	175.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	165.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	155.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	145.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	135.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	125.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	115.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	105.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	95.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	92.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	5.	5.	5.	5.	5.	4.	3.	2.	2.	2.
	85.0	7.	6.	5.	5.	4.	4.	3.	2.	2.	2.
V	82.5	39.	20.	10.	6.	5.	3.	3.	2.	2.	2.
E	80.0	220.	101.	25.	15.	5.	3.	3.	2.	3.	3.
R	77.5	523.	275.	56.	25.	7.	3.	3.	2.	3.	3.
T	75.0	759.	376.	111.	29.	15.	6.	3.	2.	3.	3.
I	72.5	1069.	536.	149.	72.	41.	10.	6.	3.	4.	4.
C	70.0	1540.	747.	364.	124.	46.	11.	11.	3.	4.	5.
A	67.5	1877.	881.	499.	169.	49.	18.	8.	4.	4.	5.
L	65.0<<	2034.	920.	503.	212.	59.	35.	16.	5.	5.	5.
	62.5	2133.	970.	525.	262.	76.	51.	34.	10.	5.	4.
A	60.0	1907.	968.	583.	310.	100.	71.	42.	15.	7.	4.
N	57.5	1827.	949.	574.	302.	122.	95.	49.	20.	9.	4.
G	55.0	1698.	978.	536.	312.	146.	103.	53.	25.	11.	5.
L	52.5	1548.	984.	481.	325.	189.	102.	60.	31.	15.	6.
E	50.0	1403.	993.	465.	372.	244.	124.	65.	35.	18.	22.
	47.5	1317.	925.	496.	339.	252.	139.	78.	39.	23.	30.
	45.0	1250.	877.	497.	342.	242.	147.	93.	48.	34.	30.
	42.5	1201.	900.	505.	339.	254.	158.	97.	82.	43.	26.
	40.0	1124.	959.	569.	345.	273.	167.	104.	71.	61.	39.
	37.5	1066.	943.	749.	387.	272.	176.	116.	74.	64.	48.
	35.0	1028.	907.	771.	499.	309.	205.	130.	87.	66.	52.
	32.5	1003.	881.	682.	498.	375.	260.	144.	93.	68.	55.
	30.0	947.	836.	630.	446.	318.	245.	199.	98.	70.	57.
	25.0	842.	747.	566.	445.	297.	216.	160.	121.	88.	74.
	20.0	762.	684.	545.	473.	345.	237.	172.	135.	125.	115.
	15.0	693.	635.	550.	469.	416.	354.	288.	227.	205.	174.
	10.0	649.	606.	536.	494.	447.	416.	388.	360.	334.	308.
	5.0	673.	650.	603.	562.	532.	508.	497.	478.	467.	455.
	0.0	696.	696.	696.	696.	696.	696.	696.	696.	696.	696.

CONE OF MAXIMUM CANDELA

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	17
5- 10	55
10- 15	101
15- 20	148
20- 25	199
25- 30	257
30- 35	318
35- 40	371
40- 45	435
45- 50	524
50- 55	656
55- 60	818
60- 65	860
65- 70	798
70- 75	603
75- 80	338
80- 85	96
85- 90	6
90- 95	0
95-100	0
100-105	0
105-110	0
110-115	0
115-120	0
120-125	0
125-130	0
130-135	0
135-140	0
140-145	0
145-150	0
150-155	0
155-160	0
160-165	0
165-170	0
170-175	0
175-180	0

10-DEGREE ZONAL LUMEN SUMMARY

0- 10	73
0- 20	321
0- 30	777
0- 40	1466
0- 50	2425
0- 60	3899
0- 70	5556
0- 80	6497
0- 90	6598
0-100	6598
0-110	6598
0-120	6598
0-130	6598
0-140	6598
0-150	6598
0-160	6598
0-170	6598
0-180	6598