

REPORT NUMBER: PRORATED FROM RAB04302

PAGE: 1 OF 10

ISSUE DATE: 05/08/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED3T50N - RWLED3T50N - RWLED3T50SFN - WPLED3T50N (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.

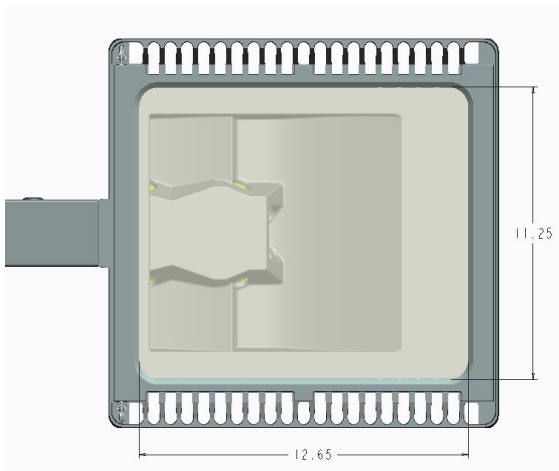
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04302 WHICH WAS ALED3T50Y.
ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 53.5 W AT 277.0 VAC.

LED DRIVER: LED DRIVER: RD-052-A1400-R

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

REPORT NUMBER: PRORATED FROM RAB04302

PAGE: 2 OF 10

ISSUE DATE: 05/08/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED3T50N - RWLED3T50N - RWLED3T50SFN - WPLED3T50N (TYPE III)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

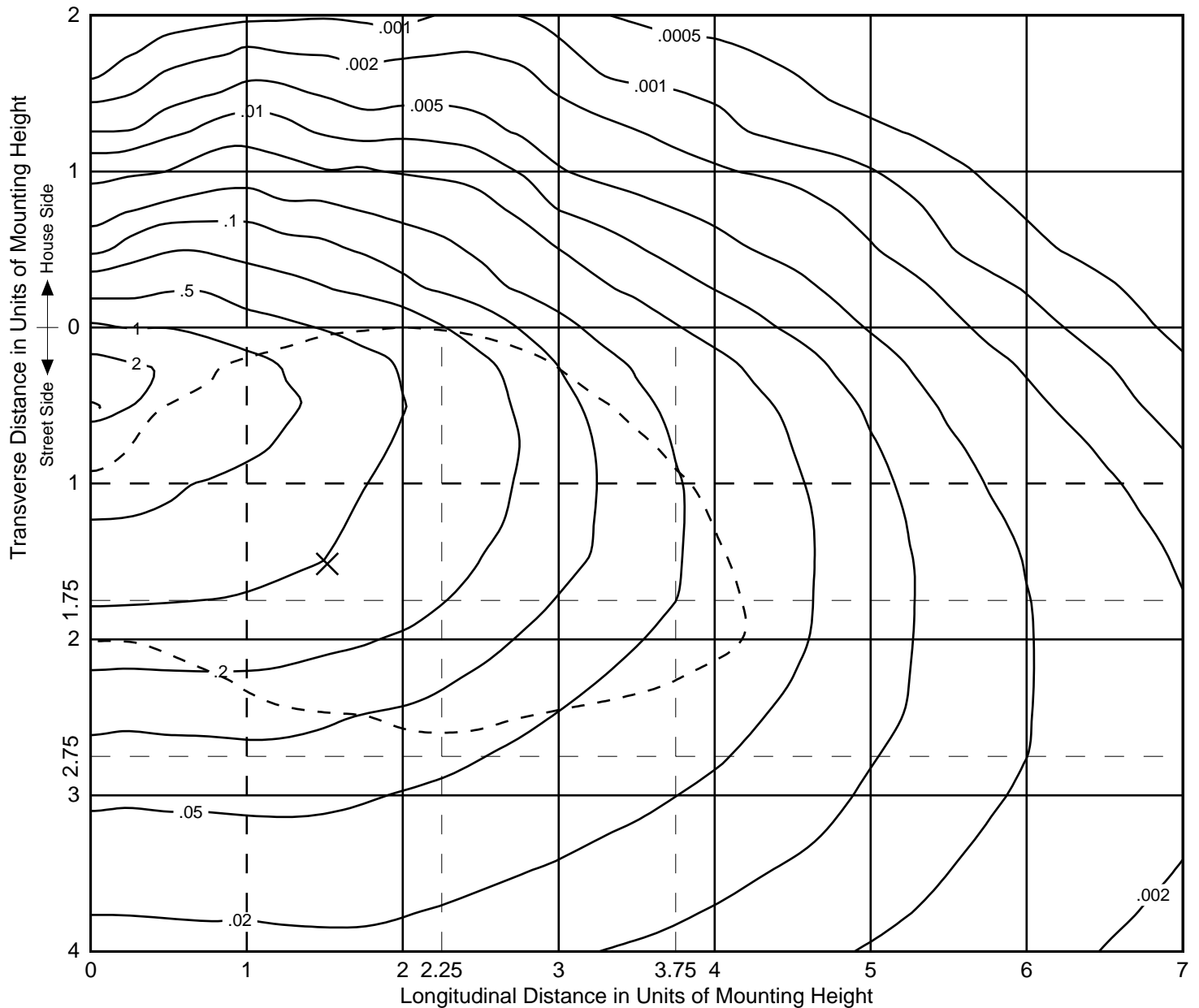
Values based on 25-foot mounting height

IES Classification: Short, Type III

Cutoff Classification (deprecated): Semicutoff

--- 1/2 Maximum Candela trace

X Maximum Candela point



REPORT NUMBER: PRORATED FROM RAB04302

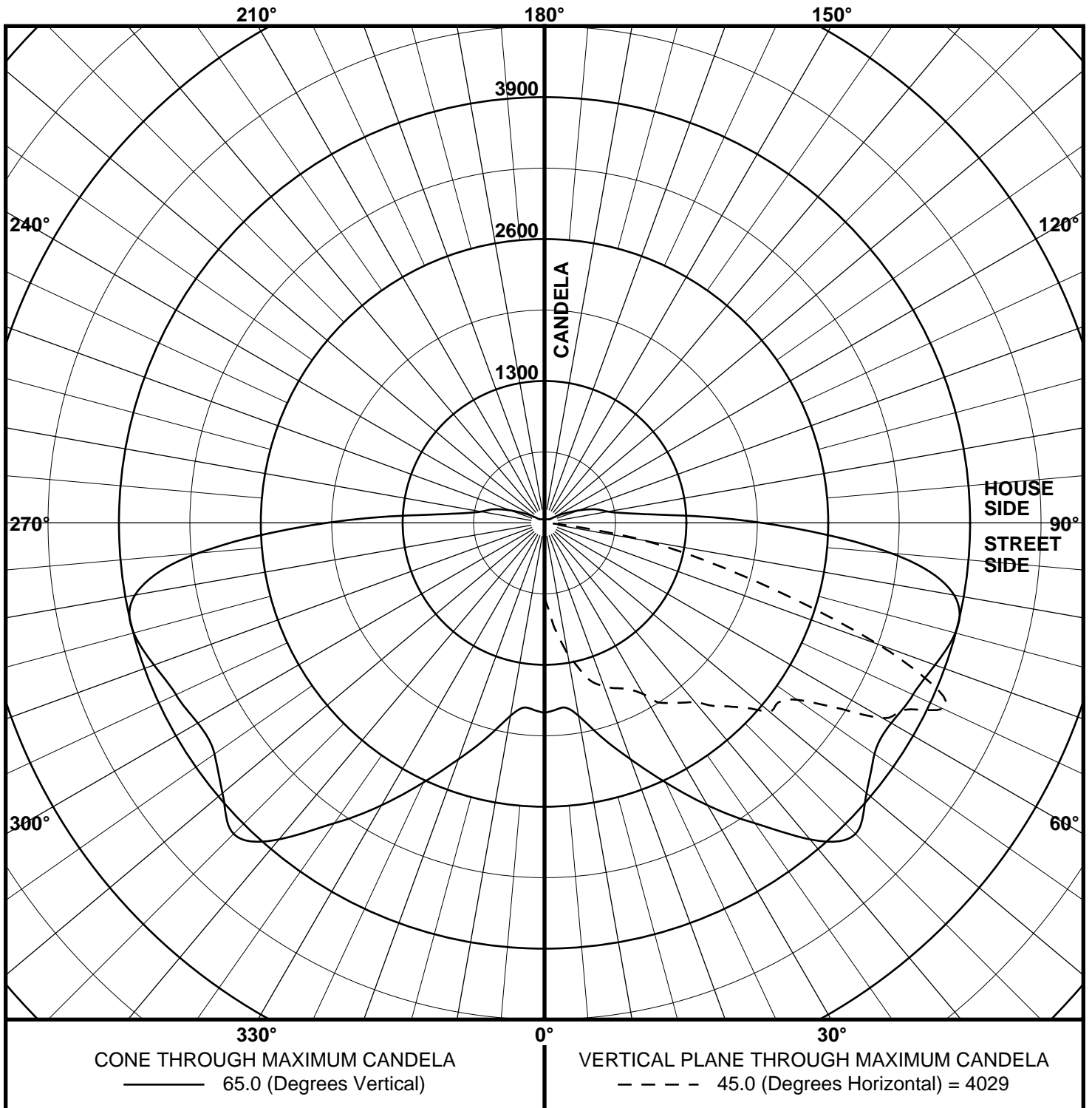
PAGE: 3 OF 10

ISSUE DATE: 05/08/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED3T50N - RWLED3T50N - RWLED3T50SFN - WPLED3T50N (TYPE III)

MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



REPORT NUMBER: PRORATED FROM RAB04302

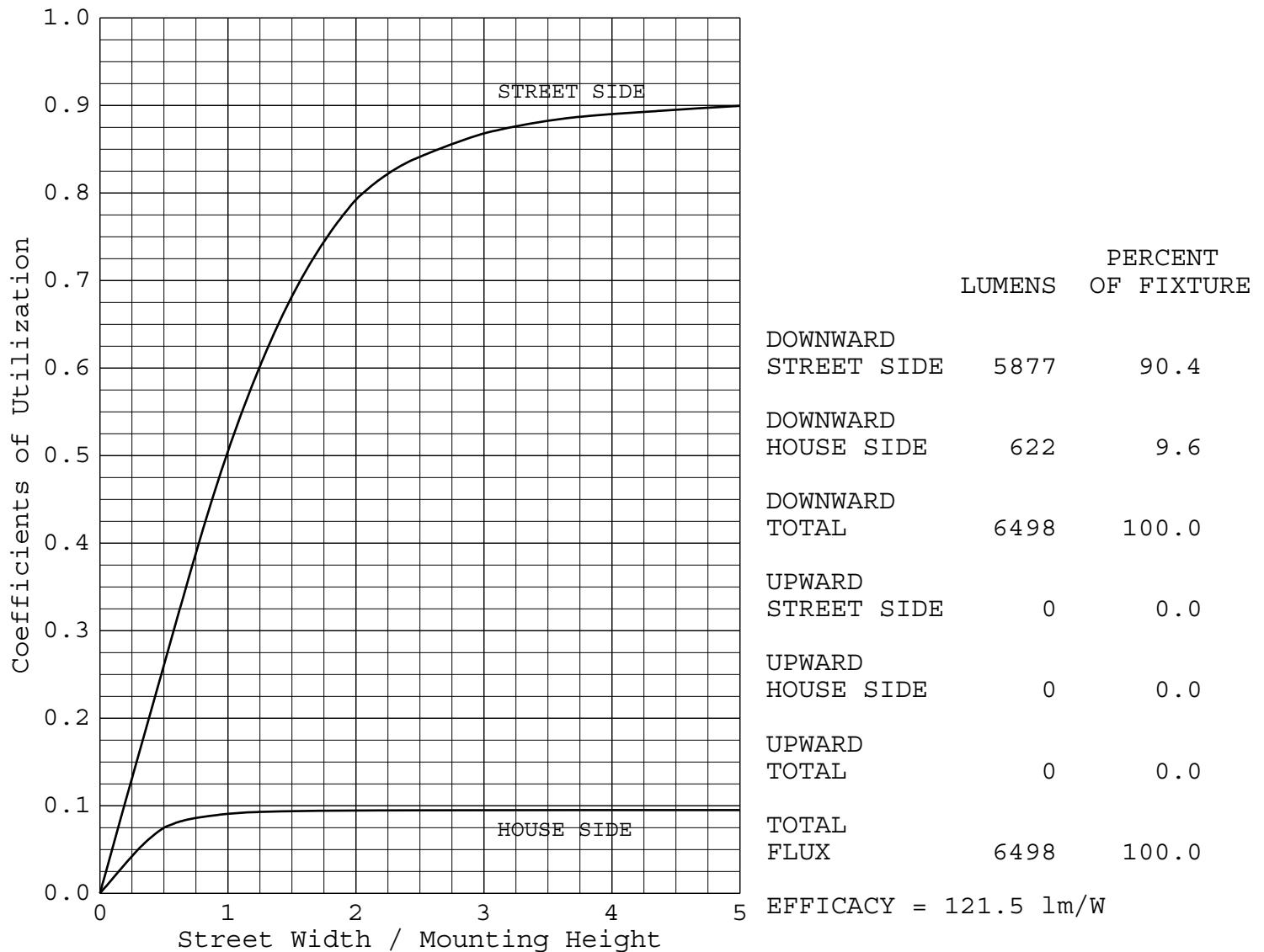
PAGE: 4 OF 10

ISSUE DATE: 05/08/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED3T50N - RWLED3T50N - RWLED3T50SFN - WPLED3T50N (TYPE III)

COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



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.

REPORT NUMBER: PRORATED FROM RAB04302

PAGE: 5 OF 10

ISSUE DATE: 05/08/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED3T50N - RWLED3T50N - RWLED3T50SFN - WPLED3T50N (TYPE III)

BUG Rating			B1 U0 G2		
Zonal Summary			Zone Ratings		
			B	U	G
Forward					
FL	(0° – 30°)	5877			
FM	(30° – 60°)	619.2			
FH	(60° – 80°)	2757.9			
FVH	(80° – 90°)	2403.4			G2
		96.1			G1
Backward					
BL	(0° – 30°)	622			
BM	(30° – 60°)	145.7	B1		
BH	(60° – 80°)	322.1	B1		
BVH	(80° – 90°)	150.5	B1		G1
		3.5			G0
Upward					
UL	(90° – 100°)	0			
UH	(100° – 180°)	0.0		U0	
		0.0		U0	
Trapped Light					
Total Flux					
		0			
		6498			
		100.0			

REPORT NUMBER: PRORATED FROM RAB04302

PAGE: 6 OF 10

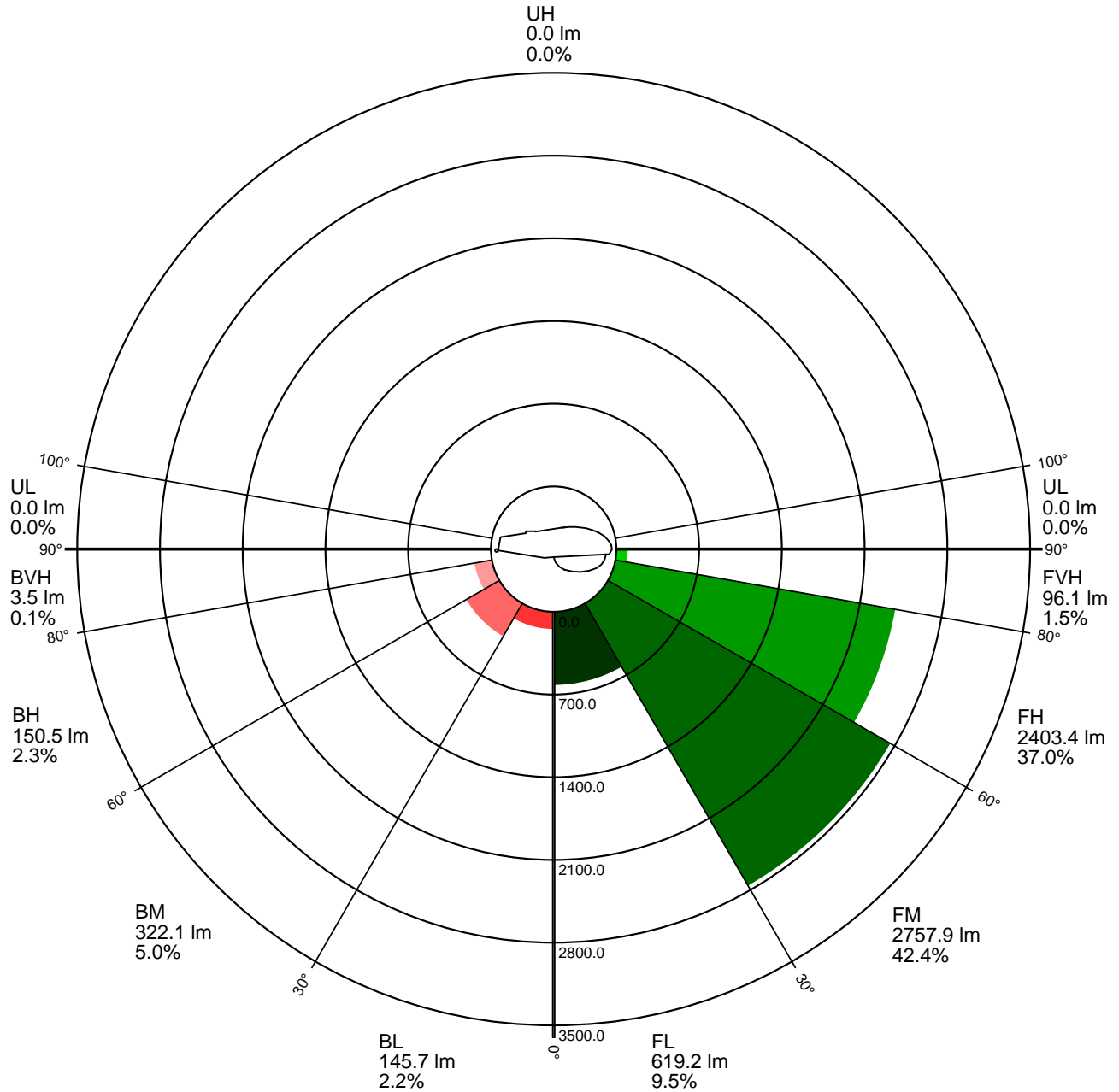
ISSUE DATE: 05/08/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED3T50N - RWLED3T50N - RWLED3T50SFN - WPLED3T50N (TYPE III)

Zonal Lumen Summary

(Linear scale)



REPORT NUMBER: PRORATED FROM RAB04302

PAGE: 7 OF 10

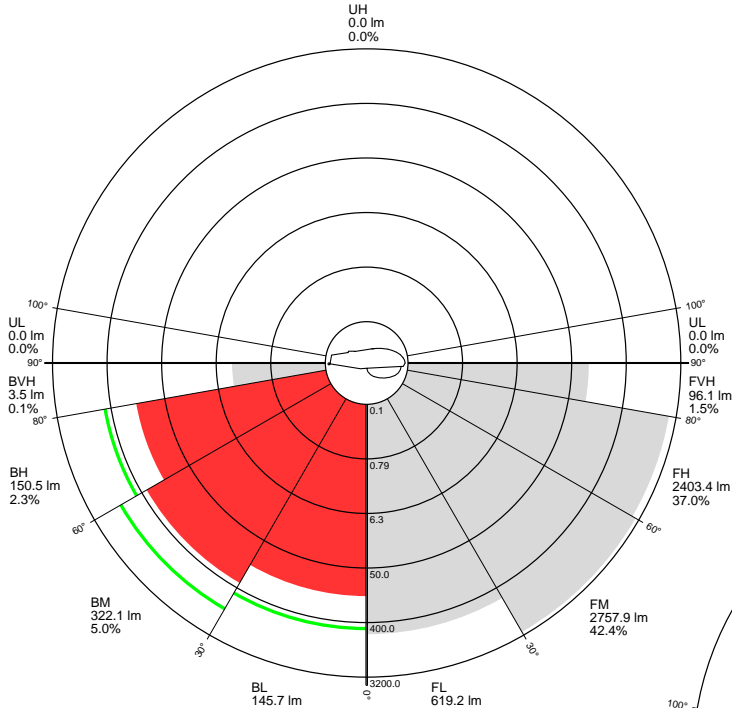
ISSUE DATE: 05/08/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED3T50N - RWLED3T50N - RWLED3T50SFN - WPLED3T50N (TYPE III)

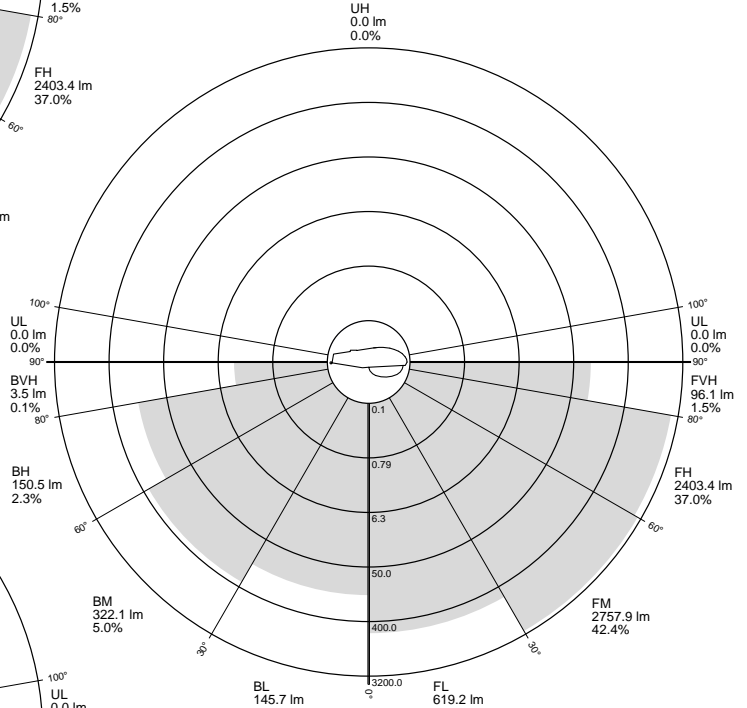
Backlight Rating Details

(Logarithmic scale)



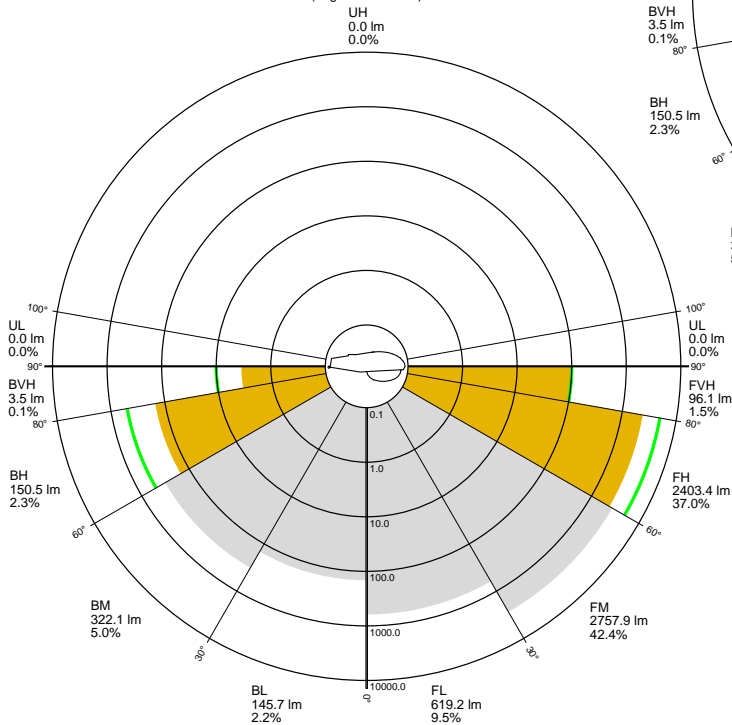
Uplight Rating Details

(Logarithmic scale)



Glare Rating Details

(Logarithmic scale)



REPORT NUMBER: PRORATED FROM RAB04302

PAGE: 8 OF 10

ISSUE DATE: 05/08/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED3T50N - RWLED3T50N - RWLED3T50SFN - WPLED3T50N (TYPE III)

CANDELA TABULATION

	STREET	SIDE										
		0.0	5.0	15.0	25.0	35.0	LATERAL ANGLE		50.0	55.0	65.0	75.0
	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.	10.	6.	8.	11.	9.	5.
	85.0	10.	10.	24.	45.	59.	89.	91.	94.	112.	86.	12.
V	82.5	33.	56.	136.	179.	249.	363.	418.	515.	659.	460.	98.
E	80.0	112.	154.	273.	444.	580.	926.	1055.	1237.	1296.	953.	416.
R	77.5	382.	425.	573.	903.	1072.	1378.	1588.	1802.	2140.	1661.	997.
T	75.0	757.	771.	937.	1277.	1538.	1897.	2090.	2295.	2792.	2248.	1355.
I	72.5	1038.	1026.	1198.	1602.	1899.	2536.	2800.	3073.	3508.	2963.	1811.
C	70.0	1243.	1223.	1436.	1912.	2264.	3252.	3653.	3944.	3794.	3606.	2432.
A	67.5	1503.	1442.	1688.	2224.	2802.	3830.	4018.	3974.	3826.	3809.	2971.
L	65.0<<	1742.	1703.	2036.	2623.	3360.	4029.	3852.	3692.	3726.	3898.	3188.
	62.5	2204.	2180.	2529.	3154.	3737.	3710.	3749.	3657.	3494.	3999.	3159.
A	60.0	2813.	2788.	3105.	3591.	3692.	3578.	3451.	3352.	3595.	3829.	3020.
N	57.5	3235.	3242.	3344.	3399.	3274.	3141.	3077.	3171.	3826.	3537.	2797.
G	55.0	3070.	3062.	2964.	2968.	2922.	2826.	2911.	3009.	3472.	3177.	2552.
L	52.5	2639.	2636.	2661.	2659.	2548.	2702.	2763.	2937.	3080.	2884.	2218.
E	50.0	2396.	2402.	2440.	2327.	2311.	2687.	2715.	2870.	2863.	2603.	1873.
	47.5	2219.	2218.	2197.	2176.	2272.	2511.	2574.	2555.	2566.	2407.	1753.
	45.0	2089.	2093.	2045.	2091.	2268.	2378.	2427.	2357.	2320.	2251.	1585.
	42.5	1973.	1987.	1996.	2169.	2213.	2273.	2261.	2212.	2151.	2095.	1435.
	40.0	1967.	1974.	2007.	2110.	2151.	2144.	2144.	2076.	2020.	1970.	1326.
	37.5	1836.	1834.	1917.	2112.	2053.	2077.	2032.	1929.	1891.	1797.	1257.
	35.0	1889.	1904.	1980.	2027.	2050.	2015.	1971.	1890.	1869.	1663.	1190.
	32.5	1993.	1971.	1915.	1945.	2034.	1953.	1894.	1835.	1854.	1660.	1157.
	30.0	1985.	1964.	1914.	1922.	1915.	1813.	1800.	1769.	1800.	1633.	1137.
	25.0	2038.	2025.	1858.	1784.	1713.	1673.	1668.	1662.	1602.	1344.	987.
	20.0	1873.	1877.	1777.	1662.	1619.	1594.	1582.	1535.	1384.	1160.	860.
	15.0	1684.	1682.	1662.	1588.	1520.	1455.	1414.	1361.	1192.	976.	762.
	10.0	1494.	1484.	1479.	1397.	1332.	1218.	1165.	1099.	974.	825.	693.
	5.0	1095.	1095.	1075.	1040.	1008.	942.	918.	880.	808.	741.	683.
	0.0	683.	683.	683.	683.	683.	683.	683.	683.	683.	683.	683.

||
PLANE OF MAXIMUM CANDELA

CONE OF MAXIMUM CANDELA

REPORT NUMBER: PRORATED FROM RAB04302

PAGE: 9 OF 10

ISSUE DATE: 05/08/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED3T50N - RWLED3T50N - RWLED3T50SFN - WPLED3T50N (TYPE III)

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.	3.	2.	2.	3.
	85.0		7.	6.	5.	5.	4.	4.	3.	2.	2.	2.	2.
V	82.5		44.	21.	11.	7.	5.	4.	3.	2.	2.	2.	2.
E	80.0		221.	98.	29.	16.	5.	3.	3.	2.	3.	3.	3.
R	77.5		542.	278.	57.	26.	7.	4.	3.	2.	3.	3.	3.
T	75.0		766.	371.	110.	30.	16.	6.	3.	3.	3.	4.	3.
I	72.5		1052.	525.	144.	69.	41.	10.	5.	3.	3.	3.	3.
C	70.0		1522.	733.	354.	121.	45.	12.	12.	4.	5.	5.	5.
A	67.5		1834.	858.	474.	166.	50.	18.	9.	5.	5.	5.	5.
L	65.0<<		1994.	915.	480.	206.	58.	36.	16.	6.	5.	5.	5.
	62.5		2049.	956.	507.	253.	74.	51.	32.	11.	6.	5.	5.
A	60.0		1878.	964.	565.	308.	96.	68.	41.	16.	7.	4.	4.
N	57.5		1793.	955.	554.	299.	118.	89.	48.	20.	9.	5.	4.
G	55.0		1688.	988.	524.	303.	142.	97.	53.	26.	11.	5.	4.
L	52.5		1534.	986.	474.	326.	189.	100.	60.	32.	15.	6.	5.
E	50.0		1384.	990.	462.	374.	255.	122.	63.	35.	18.	22.	22.
	47.5		1282.	912.	486.	331.	248.	135.	75.	39.	23.	30.	46.
	45.0		1226.	881.	486.	337.	233.	144.	87.	47.	33.	29.	25.
	42.5		1184.	900.	490.	336.	253.	156.	93.	76.	41.	24.	20.
	40.0		1096.	931.	574.	340.	271.	164.	101.	67.	57.	37.	29.
	37.5		1039.	918.	773.	391.	267.	174.	113.	71.	61.	46.	39.
	35.0		1006.	894.	755.	519.	315.	214.	129.	84.	63.	49.	42.
	32.5		981.	866.	676.	507.	374.	262.	145.	91.	66.	53.	46.
	30.0		923.	822.	634.	452.	315.	239.	199.	99.	70.	56.	51.
	25.0		825.	733.	552.	441.	299.	218.	161.	120.	88.	73.	74.
	20.0		744.	670.	534.	457.	343.	243.	175.	136.	131.	121.	121.
	15.0		680.	622.	539.	446.	397.	353.	291.	237.	211.	182.	178.
	10.0		638.	591.	525.	477.	430.	397.	375.	354.	331.	310.	311.
	5.0		655.	632.	586.	551.	520.	495.	483.	462.	451.	442.	449.
	0.0		683.	683.	683.	683.	683.	683.	683.	683.	683.	683.	683.

CONE OF MAXIMUM CANDELA

REPORT NUMBER: PRORATED FROM RAB04302

PAGE: 10 OF 10

ISSUE DATE: 05/08/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED3T50N - RWLED3T50N - RWLED3T50SFN - WPLED3T50N (TYPE III)

5-DEGREE ZONAL LUMEN SUMMARY

0- 5	17
5- 10	54
10- 15	99
15- 20	146
20- 25	196
25- 30	254
30- 35	315
35- 40	367
40- 45	431
45- 50	518
50- 55	644
55- 60	804
60- 65	848
65- 70	784
70- 75	591
75- 80	331
80- 85	94
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	71
0- 20	315
0- 30	765
0- 40	1448
0- 50	2397
0- 60	3845
0- 70	5477
0- 80	6399
0- 90	6498
0-100	6498
0-110	6498
0-120	6498
0-130	6498
0-140	6498
0-150	6498
0-160	6498
0-170	6498
0-180	6498