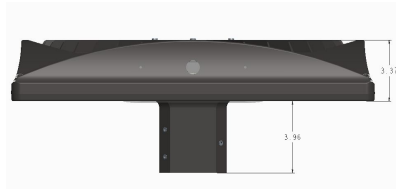


## ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 25 foot mounting height.



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 DATE SAMPLE TESTED: 12/17/15  
 PREPARED FOR: RAB LIGHTING INC.  
 CATALOG NUMBER: ALED5S150/347/D10 RCL  
 (TYPE V Square)

LUMINAIRE: CAST FINNED METAL HOUSING, 4  
 WHITE CIRCUIT BOARD WITH 11 LEDS,  
 MOLDED 1-PIECE PLASTIC REFLECTOR WITH  
 SPECULAR FINISH, CLEAR POLYCARBONATE  
 LENS IN CAST BRONZE PAINTED METAL  
 FRAME.

LAMP: FORTY-FOUR WHITE LIGHT EMITTING  
 DIODES (LEDs), TILTED 80-DEGREES FROM  
 VERTICAL BASE-UP POSITION.

NOTE: DATA SHOWN IS ABSOLUTE FOR THE  
 SAMPLE PROVIDED.

TOTAL INPUT WATTS: 154.78 W AT 480.0  
 VOLTS

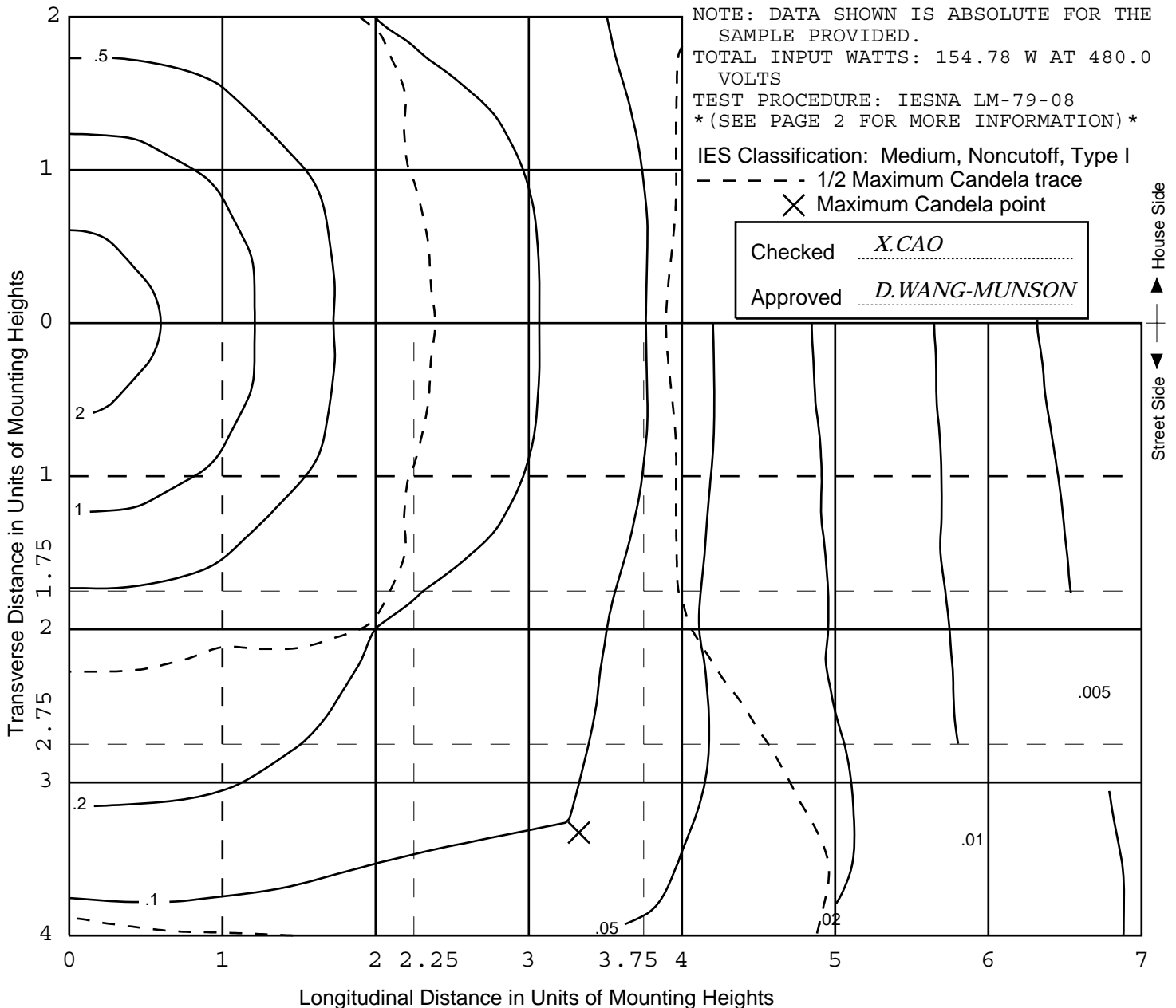
TEST PROCEDURE: IESNA LM-79-08

\*(SEE PAGE 2 FOR MORE INFORMATION) \*

IES Classification: Medium, Noncutoff, Type I

--- 1/2 Maximum Candela trace

X Maximum Candela point



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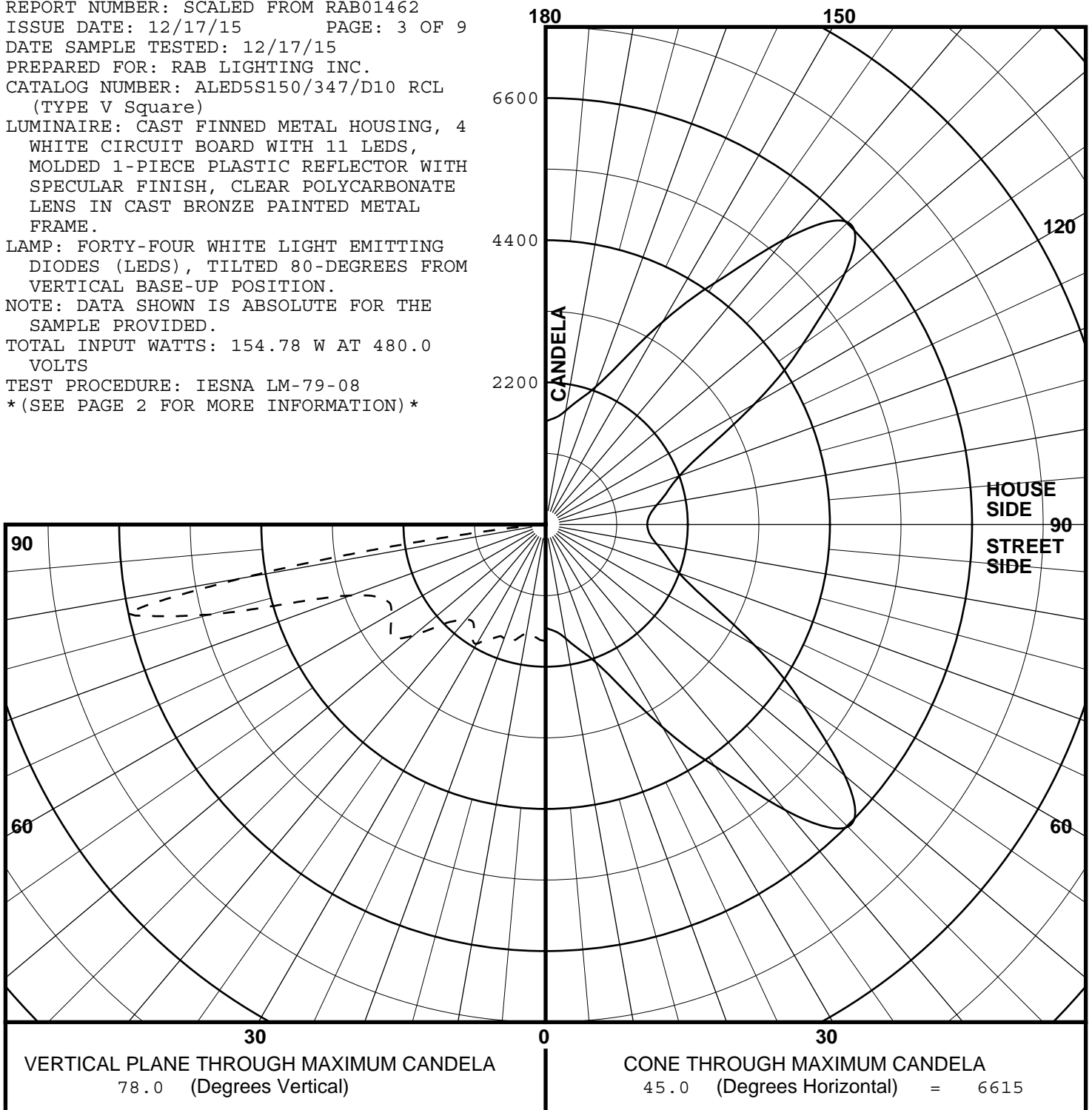
PAGE: 2 OF 9  
DATE SAMPLE TESTED: 12/17/15

ADDITIONAL INFORMATION

TEST DISTANCE: 28.25 FEET  
LED DRIVER: 2 X RDD-H100-A2000-480  
ACCREDITED LABORATORY CODE 201085-0

## MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

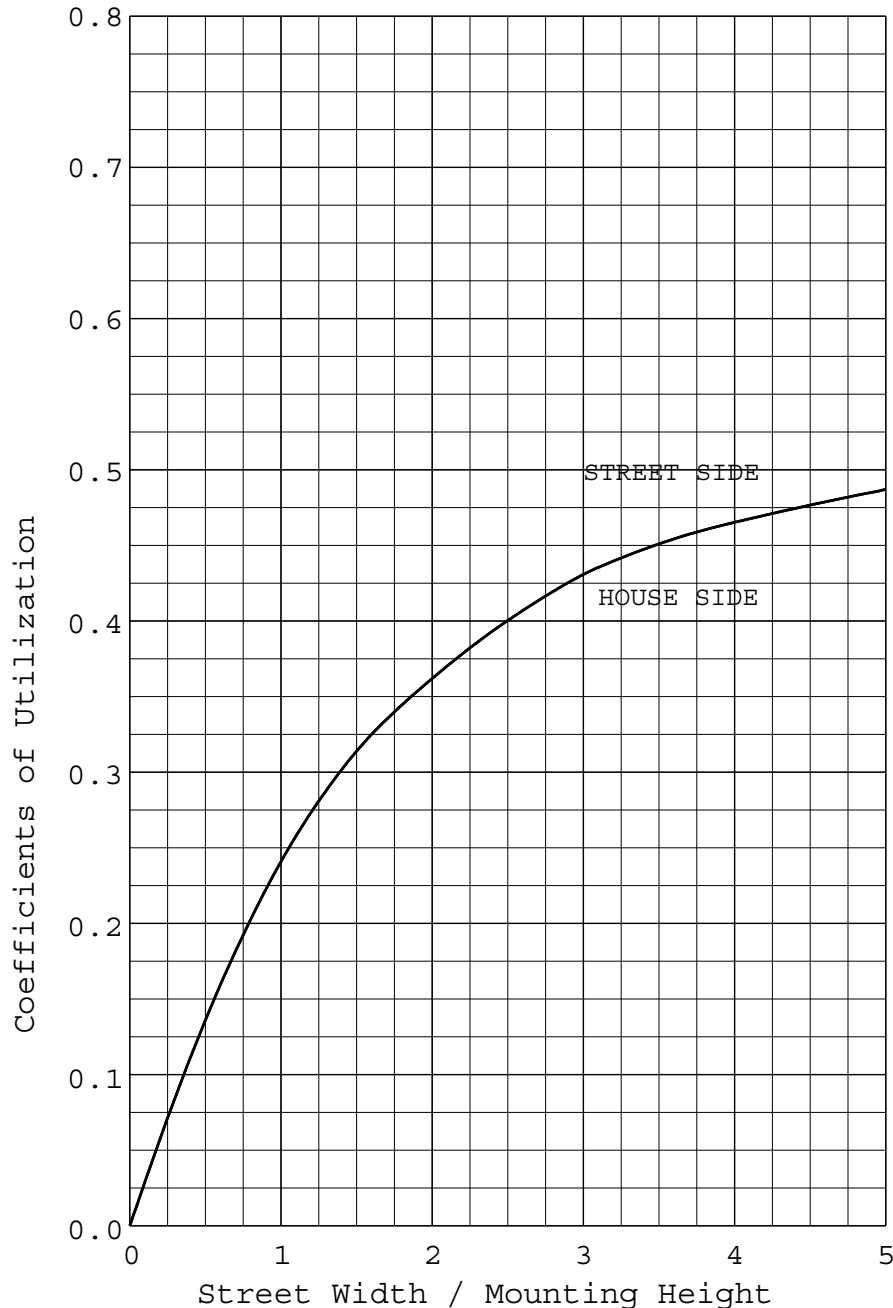
REPORT NUMBER: SCALED FROM RAB01462  
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 DATE SAMPLE TESTED: 12/17/15  
 PREPARED FOR: RAB LIGHTING INC.  
 CATALOG NUMBER: ALED5S150/347/D10 RCL  
 (TYPE V Square)  
 LUMINAIRE: CAST FINNED METAL HOUSING, 4  
 WHITE CIRCUIT BOARD WITH 11 LEDS,  
 MOLDED 1-PIECE PLASTIC REFLECTOR WITH  
 SPECULAR FINISH, CLEAR POLYCARBONATE  
 LENS IN CAST BRONZE PAINTED METAL  
 FRAME.  
 LAMP: FORTY-FOUR WHITE LIGHT EMITTING  
 DIODES (LEDS), TILTED 80-DEGREES FROM  
 VERTICAL BASE-UP POSITION.  
 NOTE: DATA SHOWN IS ABSOLUTE FOR THE  
 SAMPLE PROVIDED.  
 TOTAL INPUT WATTS: 154.78 W AT 480.0  
 VOLTS  
 TEST PROCEDURE: IESNA LM-79-08  
 \*(SEE PAGE 2 FOR MORE INFORMATION)\*



REPORT NUMBER: SCALED FROM RAB01462  
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## COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	7450.	50.0
DOWNWARD HOUSE SIDE	7450.	50.0
DOWNWARD TOTAL	14901.	100.0
UPWARD STREET SIDE	0.	0.0
UPWARD HOUSE SIDE	0.	0.0
UPWARD TOTAL	0.	0.0
TOTAL FLUX	14901.	100.0
TOTAL INPUT WATTS = 154.8		
EFFICACY = 96.3 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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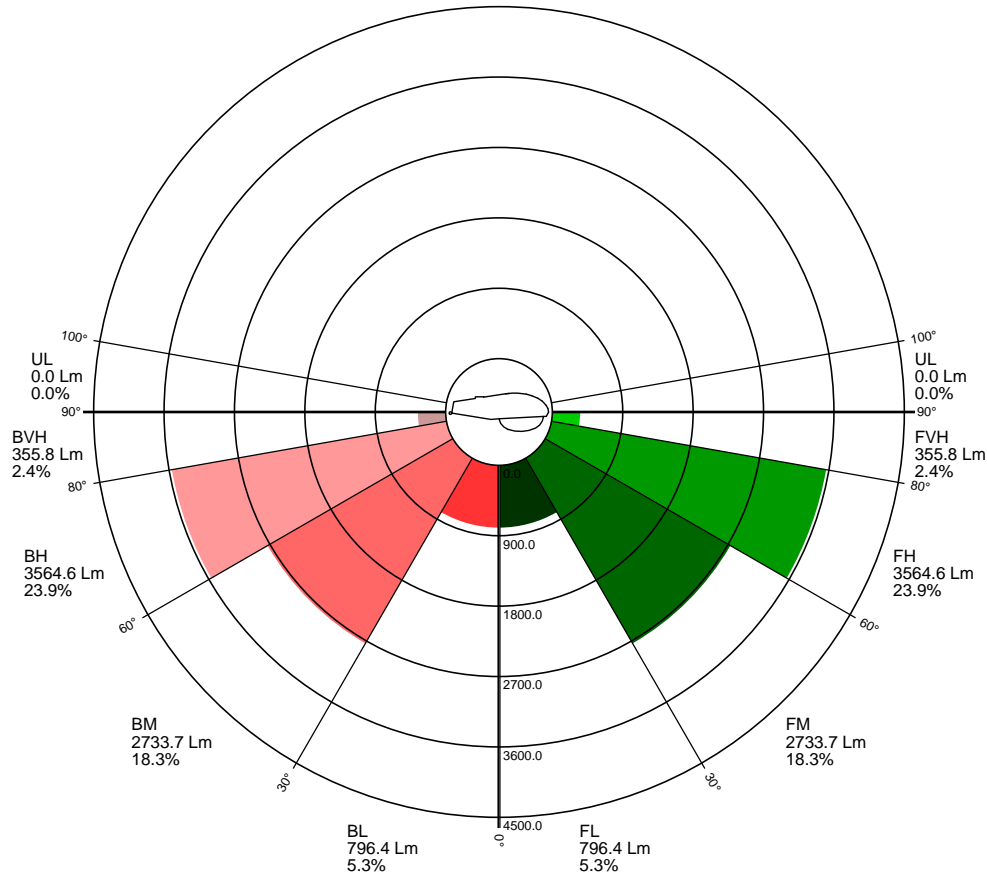
PAGE: 5 OF 9  
 DATE SAMPLE TESTED: 12/17/15

BUG Rating:				B4 U0 G3		
Zonal Summary				Zone Ratings		
		Lumens	% of Fixture	B	U	G
Forward		7450	50.0			
FL	(0° - 30°)	796.4	5.3			
FM	(30° - 60°)	2733.7	18.3			
FH	(60° - 80°)	3564.6	23.9			G2
FVH	(80° - 90°)	355.8	2.4			G3
Backward		7450	50.0			
BL	(0° - 30°)	796.4	5.3	B2		
BM	(30° - 60°)	2733.7	18.3	B3		
BH	(60° - 80°)	3564.6	23.9	B4		G2
BVH	(80° - 90°)	355.8	2.4			G3
Upward		0	0.0			
UL	(90° - 100°)	0.0	0.0		U0	
UH	(100° - 180°)	0.0	0.0		U0	
Trapped Light		0	0.0			
Total Flux		14901	100.0			

### Zonal Lumen Summary

(Linear scale)

UH  
0.0 Lm  
0.0%

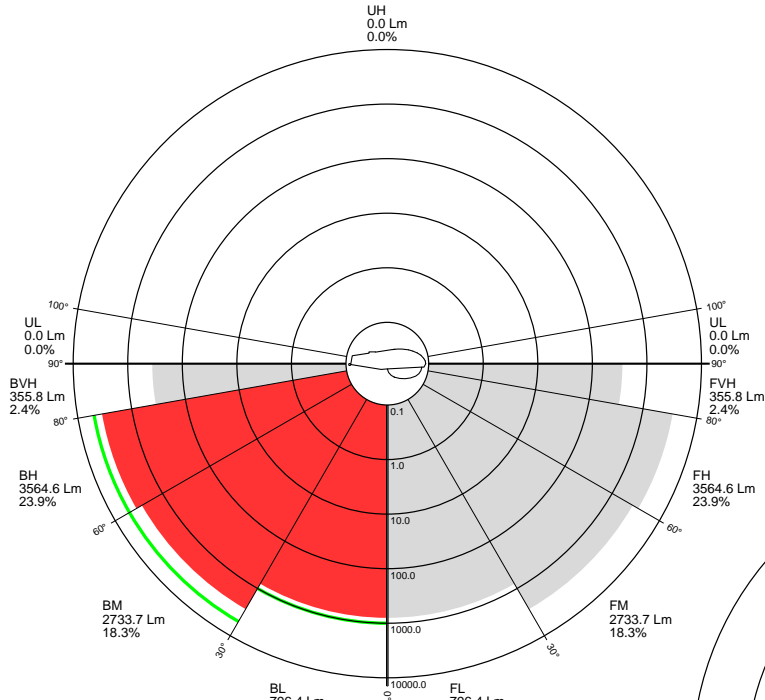


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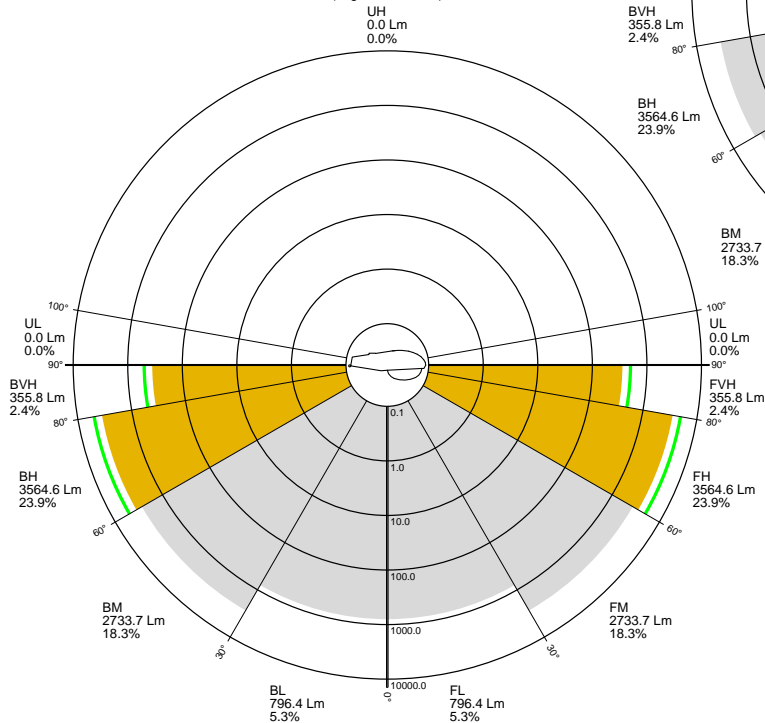
### Backlight Rating Details

(Logarithmic scale)



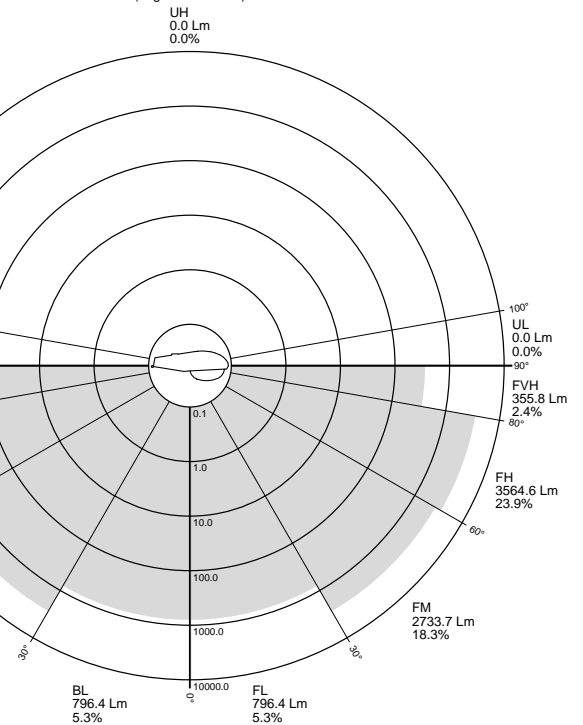
### Glare Rating Details

(Logarithmic scale)



### Uplight Rating Details

(Logarithmic scale)



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DATE SAMPLE TESTED: 12/17/15

STREET SIDE		LATERAL ANGLE									
		0.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	85.0
		180.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
		175.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
		165.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
		155.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
		145.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
		135.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
		125.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
		115.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
		105.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
		95.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
		90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
		87.5	10.	10.	11.	15.	24.	27.	25.	17.	11.
		85.0	35.	40.	112.	269.	375.	380.	402.	348.	159.
		82.5	139.	214.	620.	1210.	2232.	1781.	2242.	1328.	758.
V		80.0	1242.	1262.	1495.	1894.	3545.	4766.	3637.	1939.	1419.
E	78.0<<	1595.	1657.	1998.	2784.	4565.	6615.	4858.	2737.	1948.	1613.
R	77.5	1815.	1927.	2319.	3142.	4905.	6504.	5151.	3104.	2200.	1865.
T	75.0	3734.	3915.	4471.	4997.	5165.	5379.	4961.	4736.	4477.	3869.
I	72.5	4683.	4677.	4822.	4650.	4304.	3940.	4080.	4445.	4492.	4358.
C	70.0	4170.	4157.	4118.	3930.	3498.	3211.	3361.	3808.	3950.	3928.
A	67.5	3553.	3525.	3483.	3410.	3035.	2889.	3012.	3247.	3292.	3389.
L	65.0	3047.	3045.	2946.	3055.	2816.	2745.	2912.	3018.	2811.	2885.
	62.5	2655.	2689.	2669.	2816.	2843.	2703.	2848.	2890.	2654.	2603.
A	60.0	2463.	2489.	2590.	2700.	2863.	2757.	2846.	2718.	2570.	2533.
N	57.5	2462.	2470.	2591.	2637.	2890.	2838.	2800.	2627.	2576.	2421.
G	55.0	2450.	2436.	2576.	2646.	2789.	2930.	2730.	2587.	2487.	2357.
L	52.5	2488.	2445.	2575.	2646.	2676.	2905.	2633.	2577.	2476.	2346.
E	50.0	2510.	2495.	2614.	2636.	2565.	2668.	2628.	2602.	2529.	2354.
	47.5	2510.	2473.	2650.	2697.	2427.	2384.	2514.	2706.	2574.	2392.
	45.0	2509.	2479.	2609.	2597.	2230.	2145.	2228.	2661.	2702.	2480.
	42.5	2368.	2349.	2431.	2372.	2083.	2015.	2085.	2342.	2525.	2451.
	40.0	2269.	2217.	2231.	2099.	2024.	1919.	2026.	2095.	2188.	2211.
	37.5	2101.	2091.	2101.	1963.	2057.	1878.	2017.	1956.	2023.	2042.
	35.0	2015.	1988.	1972.	1947.	2012.	1934.	1950.	1922.	1909.	1932.
	30.0	1933.	1915.	1863.	1918.	1994.	2129.	2000.	1875.	1886.	1889.
	25.0	1974.	1975.	1959.	2032.	1928.	1944.	1961.	2020.	1943.	1941.
	20.0	1942.	1943.	1918.	1879.	1922.	1876.	1894.	1878.	1885.	1925.
	15.0	1824.	1828.	1834.	1826.	1816.	1852.	1865.	1836.	1815.	1829.
	10.0	1798.	1800.	1807.	1849.	1738.	1715.	1732.	1754.	1788.	1840.
	5.0	1761.	1767.	1799.	1748.	1744.	1751.	1757.	1772.	1807.	1781.
	0.0	1805.	1805.	1805.	1805.	1805.	1805.	1805.	1805.	1805.	1805.

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.	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.
90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
87.5	10.	10.	11.	17.	25.	27.	24.	15.	11.	10.	10.
85.0	36.	48.	159.	348.	402.	380.	375.	269.	112.	40.	35.
82.5	275.	398.	758.	1328.	2242.	1781.	2232.	1210.	620.	214.	139.
V 80.0	1177.	1213.	1419.	1939.	3637.	4766.	3545.	1894.	1495.	1262.	1242.
E 78.0<<	1573.	1613.	1948.	2737.	4858.	6615.	4565.	2784.	1998.	1657.	1595.
R 77.5	1784.	1865.	2200.	3104.	5151.	6504.	4905.	3142.	2319.	1927.	1815.
T 75.0	3778.	3869.	4477.	4736.	4961.	5379.	5165.	4997.	4471.	3915.	3734.
I 72.5	4302.	4358.	4492.	4445.	4080.	3940.	4304.	4650.	4822.	4677.	4683.
C 70.0	3934.	3928.	3950.	3808.	3361.	3211.	3498.	3930.	4118.	4157.	4170.
A 67.5	3358.	3389.	3292.	3247.	3012.	2889.	3035.	3410.	3483.	3525.	3553.
L 65.0	2817.	2885.	2811.	3018.	2912.	2745.	2816.	3055.	2946.	3045.	3047.
62.5	2572.	2603.	2654.	2890.	2848.	2703.	2843.	2816.	2669.	2689.	2655.
A 60.0	2461.	2533.	2570.	2718.	2846.	2757.	2863.	2700.	2590.	2489.	2463.
N 57.5	2420.	2421.	2576.	2627.	2800.	2838.	2890.	2637.	2591.	2470.	2462.
G 55.0	2340.	2357.	2487.	2587.	2730.	2930.	2789.	2646.	2576.	2436.	2450.
L 52.5	2370.	2346.	2476.	2577.	2633.	2905.	2676.	2646.	2575.	2445.	2488.
E 50.0	2372.	2354.	2529.	2602.	2628.	2668.	2565.	2636.	2614.	2495.	2510.
47.5	2410.	2392.	2574.	2706.	2514.	2384.	2427.	2697.	2650.	2473.	2510.
45.0	2478.	2480.	2702.	2661.	2228.	2145.	2230.	2597.	2609.	2479.	2509.
42.5	2449.	2451.	2525.	2342.	2085.	2015.	2083.	2372.	2431.	2349.	2368.
40.0	2253.	2211.	2188.	2095.	2026.	1919.	2024.	2099.	2231.	2217.	2269.
37.5	2065.	2042.	2023.	1956.	2017.	1878.	2057.	1963.	2101.	2091.	2101.
35.0	1979.	1932.	1909.	1922.	1950.	1934.	2012.	1947.	1972.	1988.	2015.
30.0	1920.	1889.	1886.	1875.	2000.	2129.	1994.	1918.	1863.	1915.	1933.
25.0	1942.	1941.	1943.	2020.	1961.	1944.	1928.	2032.	1959.	1975.	1974.
20.0	1930.	1925.	1885.	1878.	1894.	1876.	1922.	1879.	1918.	1943.	1942.
15.0	1836.	1829.	1815.	1836.	1865.	1852.	1816.	1826.	1834.	1828.	1824.
10.0	1831.	1840.	1788.	1754.	1732.	1715.	1738.	1849.	1807.	1800.	1798.
5.0	1771.	1781.	1807.	1772.	1757.	1751.	1744.	1748.	1799.	1767.	1761.
0.0	1805.	1805.	1805.	1805.	1805.	1805.	1805.	1805.	1805.	1805.	1805.

CONE OF MAXIMUM CANDELA



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### 5-DEGREE ZONAL LUMEN SUMMARY

0- 5	43
5- 10	126
10- 15	215
15- 20	307
20- 25	407
25- 30	495
30- 35	572
35- 40	676
40- 45	849
45- 50	1021
50- 55	1126
55- 60	1224
60- 65	1346
65- 70	1671
70- 75	2257
75- 80	1854
80- 85	675
85- 90	37
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	169
0- 20	691
0- 30	1593
0- 40	2840
0- 50	4710
0- 60	7060
0- 70	10078
0- 80	14189
0- 90	14901
0-100	14901
0-110	14901
0-120	14901
0-130	14901
0-140	14901
0-150	14901
0-160	14901
0-170	14901
0-180	14901