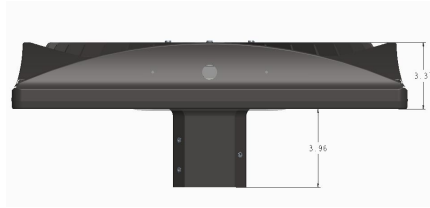


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 25 foot mounting height.



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DATE SAMPLE TESTED: 12/16/15
PREPARED FOR: RAB LIGHTING INC.
CATALOG NUMBER: ALED5S150N/480/D10
(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.

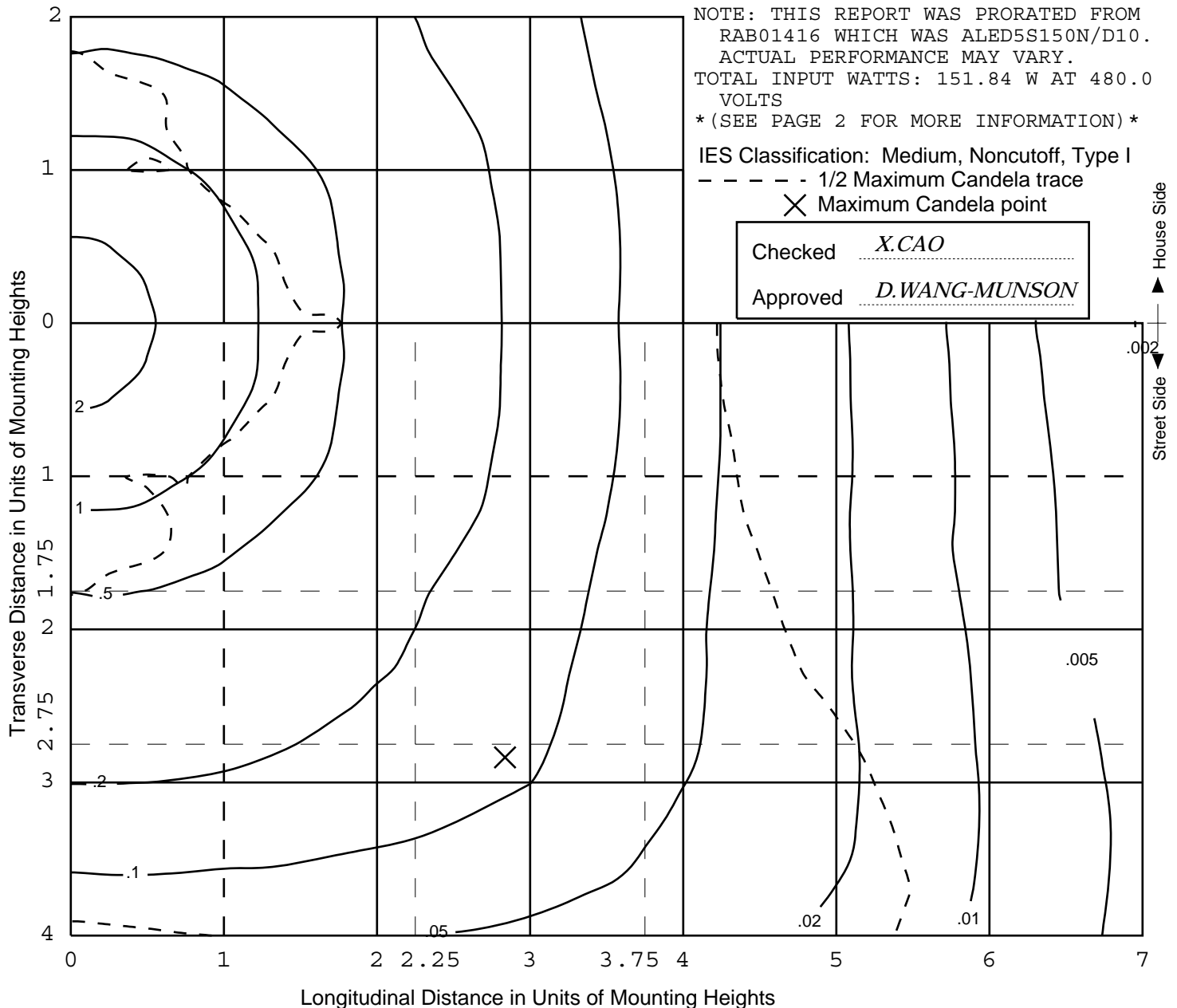
NOTE: THIS REPORT WAS PRORATED FROM RAB01416 WHICH WAS ALED5S150N/D10. ACTUAL PERFORMANCE MAY VARY.
TOTAL INPUT WATTS: 151.84 W AT 480.0 VOLTS

(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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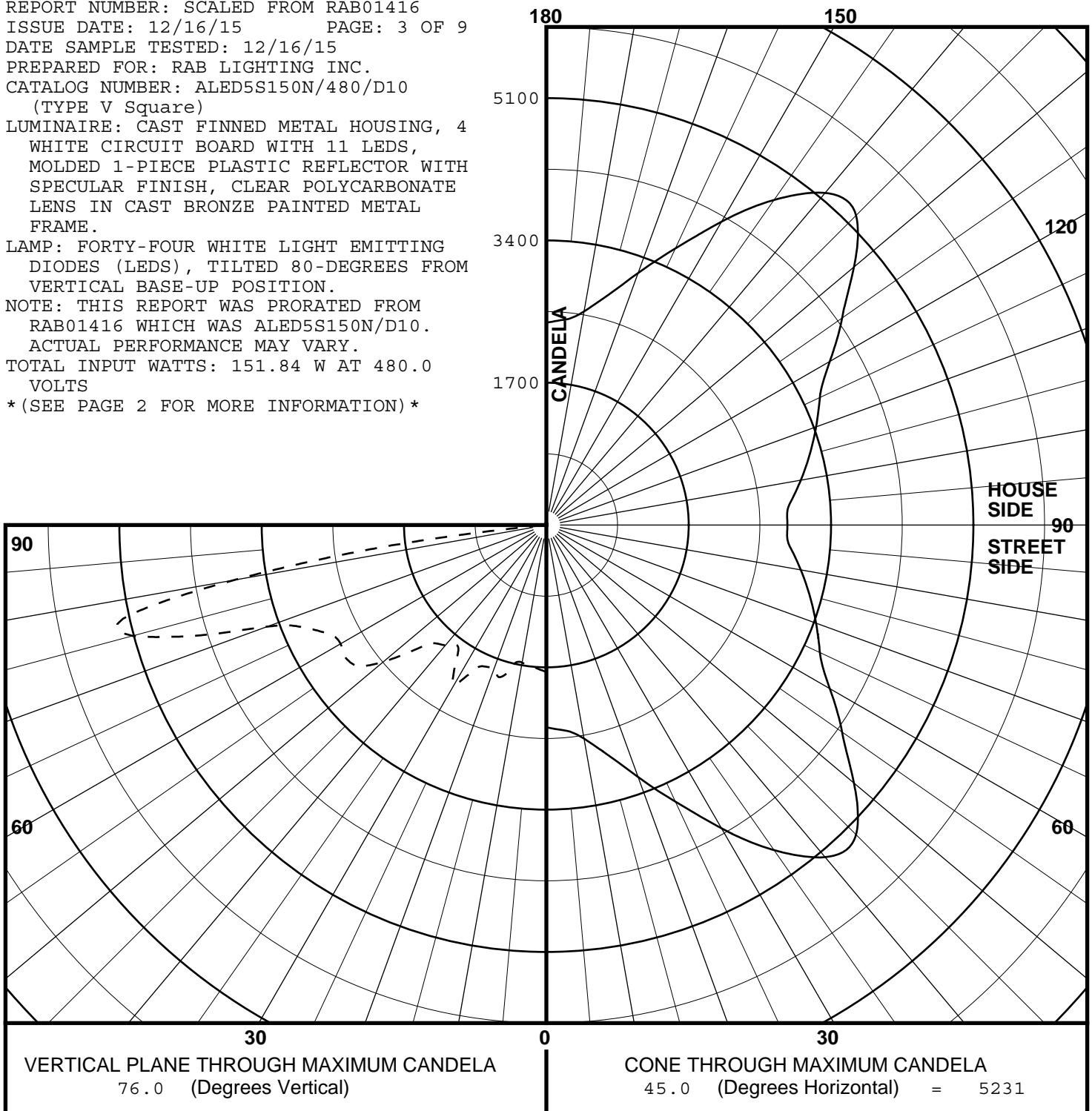
PAGE: 2 OF 9
DATE SAMPLE TESTED: 12/16/15

ADDITIONAL INFORMATION

TEST PROCEDURE: IESNA LM-79-08
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

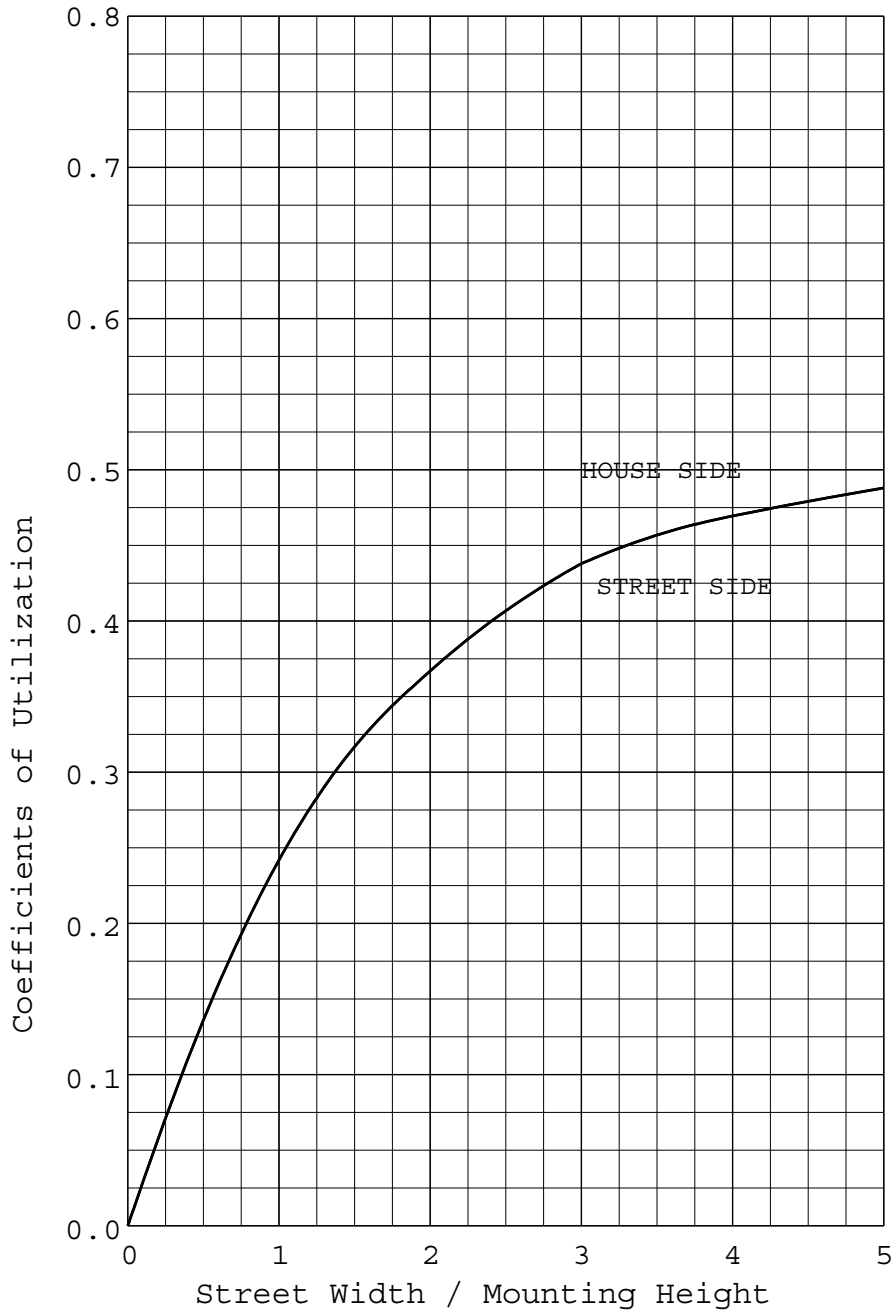
REPORT NUMBER: SCALED FROM RAB01416
 ISSUE DATE: 12/16/15 PAGE: 3 OF 9
 DATE SAMPLE TESTED: 12/16/15
 PREPARED FOR: RAB LIGHTING INC.
 CATALOG NUMBER: ALED5S150N/480/D10
 (TYPE V Square)
 LUMINAIRE: CAST FINNED METAL HOUSING, 4
 WHITE CIRCUIT BOARD WITH 11 LEDS,
 MOLDED 1-PIECE PLASTIC REFLECTOR WITH
 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: THIS REPORT WAS PRORATED FROM
 RAB01416 WHICH WAS ALED5S150N/D10.
 ACTUAL PERFORMANCE MAY VARY.
 TOTAL INPUT WATTS: 151.84 W AT 480.0
 VOLTS
 (SEE PAGE 2 FOR MORE INFORMATION)



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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	7228.	50.0
DOWNWARD HOUSE SIDE	7228.	50.0
DOWNWARD TOTAL	14455.	100.0
UPWARD STREET SIDE	0.	0.0
UPWARD HOUSE SIDE	0.	0.0
UPWARD TOTAL	0.	0.0
TOTAL FLUX	14455.	100.0
TOTAL INPUT WATTS = 151.84		
EFFICACY = 95.2 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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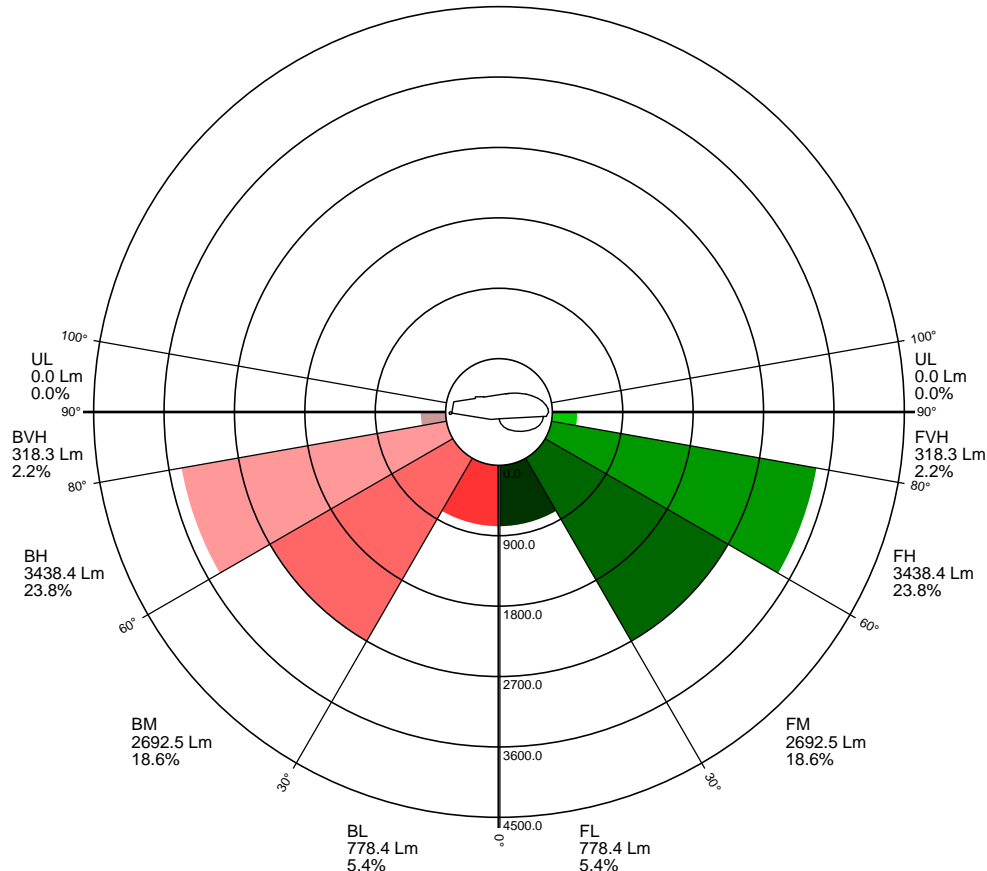
PAGE: 5 OF 9
 DATE SAMPLE TESTED: 12/16/15

BUG Rating:				B4	U0	G3
Zonal Summary				Zone Ratings		
		Lumens	% of Fixture	B	U	G
Forward						
FL	(0° - 30°)	778.4	5.4			
FM	(30° - 60°)	2692.5	18.6			
FH	(60° - 80°)	3438.4	23.8			G2
FVH	(80° - 90°)	318.3	2.2			G3
Backward						
BL	(0° - 30°)	778.4	5.4	B2		
BM	(30° - 60°)	2692.5	18.6	B3		
BH	(60° - 80°)	3438.4	23.8	B4		G2
BVH	(80° - 90°)	318.3	2.2			G3
Upward						
UL	(90° - 100°)	0.0	0.0		U0	
UH	(100° - 180°)	0.0	0.0		U0	
Trapped Light						
Total Flux		14455	100.0			

Zonal Lumen Summary

(Linear scale)

UH
0.0 Lm
0.0%

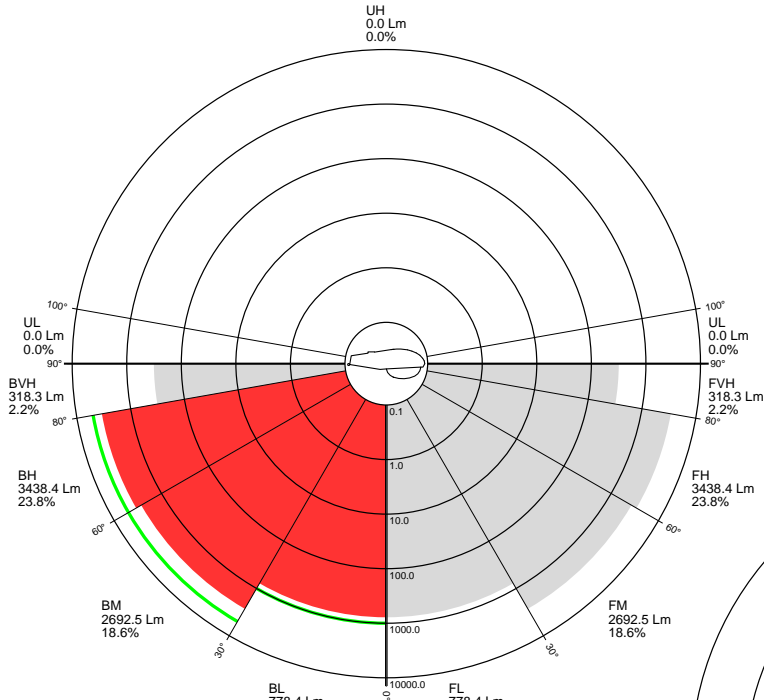


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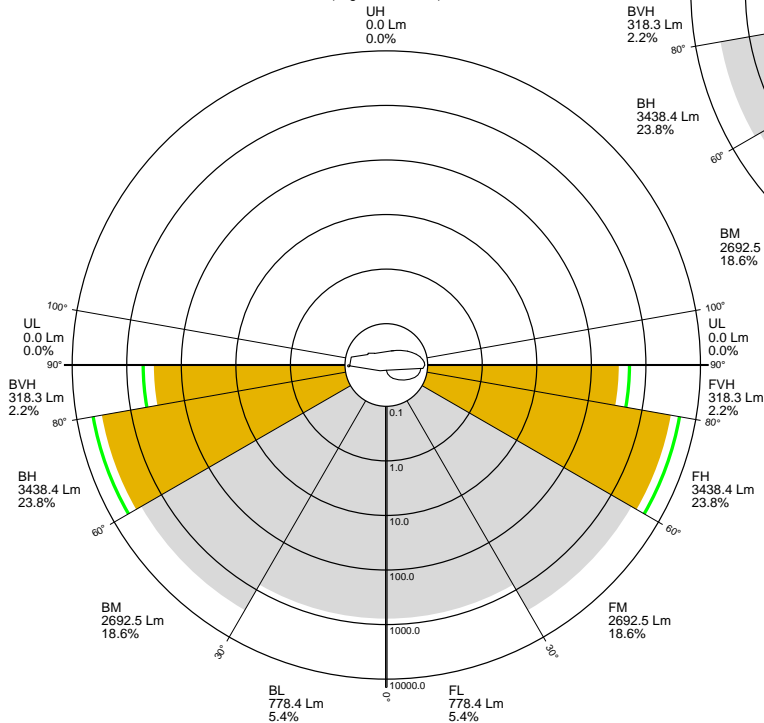
Backlight Rating Details

(Logarithmic scale)



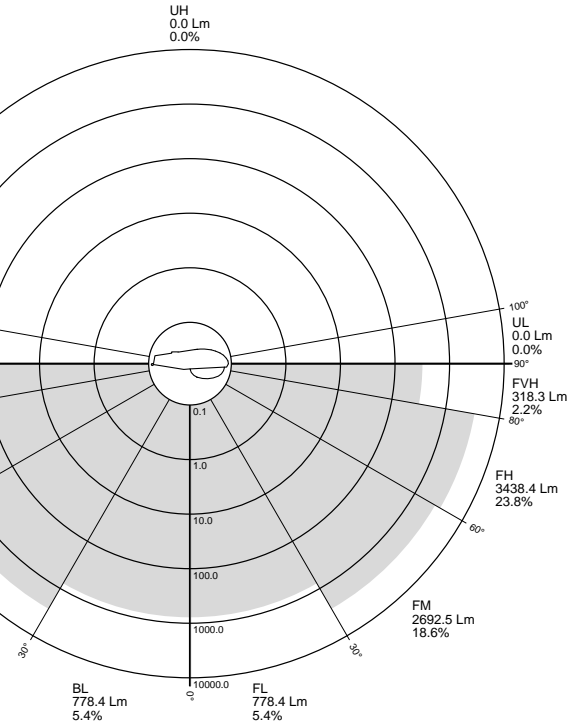
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



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[illegible]

CONE OF MAXIMUM CANDELA

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 PREPARED FOR: RAB LIGHTING INC.

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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	8.	8.	9.	14.	22.	23.	20.	11.	7.	7.	7.
85.0	26.	38.	94.	246.	414.	82.	365.	277.	79.	26.	22.
82.5	117.	212.	524.	1303.	1925.	1872.	2131.	898.	407.	146.	100.
V 80.0	1257.	1331.	1582.	2276.	3675.	3792.	2936.	1788.	1411.	1204.	1180.
E 77.5	2285.	2307.	2625.	3273.	4511.	5183.	4004.	2816.	2115.	1782.	1790.
R 76.0<<	2880.	2918.	3257.	3604.	4313.	5231.	4741.	3646.	2844.	2462.	2415.
T 75.0	3161.	3244.	3451.	3682.	4248.	5118.	4773.	4222.	3432.	3107.	2955.
I 72.5	3272.	3300.	3536.	3811.	3896.	4400.	4419.	4438.	4241.	4033.	3976.
C 70.0	3320.	3332.	3504.	3683.	3471.	3546.	3947.	4144.	4039.	4028.	4004.
A 67.5	3318.	3346.	3305.	3380.	3152.	3180.	3404.	3658.	3721.	3771.	3752.
L 65.0	2906.	2949.	2945.	3176.	3077.	2996.	3101.	3196.	3194.	3267.	3273.
62.5	2662.	2707.	2770.	3005.	3060.	2868.	2968.	2864.	2908.	2873.	2817.
A 60.0	2601.	2670.	2748.	2924.	2987.	2839.	2801.	2736.	2673.	2623.	2548.
N 57.5	2651.	2659.	2715.	2749.	2889.	2873.	2809.	2538.	2561.	2541.	2533.
G 55.0	2528.	2532.	2713.	2617.	2812.	2860.	2732.	2548.	2569.	2420.	2408.
L 52.5	2489.	2491.	2588.	2525.	2619.	2771.	2622.	2567.	2545.	2430.	2432.
E 50.0	2418.	2422.	2565.	2517.	2480.	2542.	2529.	2633.	2557.	2415.	2424.
47.5	2434.	2411.	2564.	2564.	2289.	2271.	2371.	2703.	2645.	2474.	2493.
45.0	2420.	2423.	2449.	2446.	2103.	2024.	2160.	2597.	2581.	2491.	2502.
42.5	2201.	2186.	2246.	2202.	1946.	1922.	1996.	2313.	2450.	2360.	2378.
40.0	2030.	2005.	2057.	2026.	1900.	1876.	1942.	2047.	2145.	2116.	2162.
37.5	1971.	1949.	1974.	1879.	1966.	1801.	2015.	1909.	2010.	2015.	2039.
35.0	1902.	1886.	1862.	1820.	1977.	1833.	1997.	1906.	1891.	1906.	1926.
30.0	1868.	1844.	1799.	1822.	1905.	2204.	1900.	1856.	1826.	1863.	1872.
25.0	1872.	1867.	1873.	2025.	1932.	1863.	2001.	2091.	1913.	1879.	1879.
20.0	1862.	1852.	1801.	1798.	1887.	1821.	1891.	1807.	1855.	1890.	1884.
15.0	1800.	1795.	1770.	1766.	1825.	1837.	1798.	1763.	1760.	1771.	1769.
10.0	1751.	1749.	1714.	1700.	1656.	1669.	1701.	1743.	1729.	1749.	1751.
5.0	1734.	1733.	1780.	1716.	1706.	1703.	1707.	1708.	1752.	1695.	1693.
0.0	1755.	1755.	1755.	1755.	1755.	1755.	1755.	1755.	1755.	1755.	1755.

CONE OF MAXIMUM CANDELA

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	41
5- 10	122
10- 15	210
15- 20	299
20- 25	401
25- 30	483
30- 35	557
35- 40	652
40- 45	810
45- 50	994
50- 55	1121
55- 60	1251
60- 65	1417
65- 70	1736
70- 75	2048
75- 80	1676
80- 85	608
85- 90	28
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	164
0- 20	673
0- 30	1557
0- 40	2765
0- 50	4570
0- 60	6942
0- 70	10095
0- 80	13819
0- 90	14455
0-100	14455
0-110	14455
0-120	14455
0-130	14455
0-140	14455
0-150	14455
0-160	14455
0-170	14455
0-180	14455