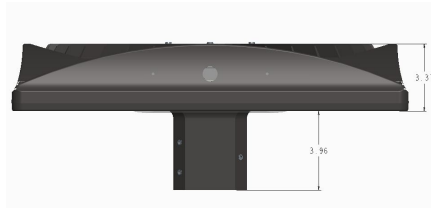


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

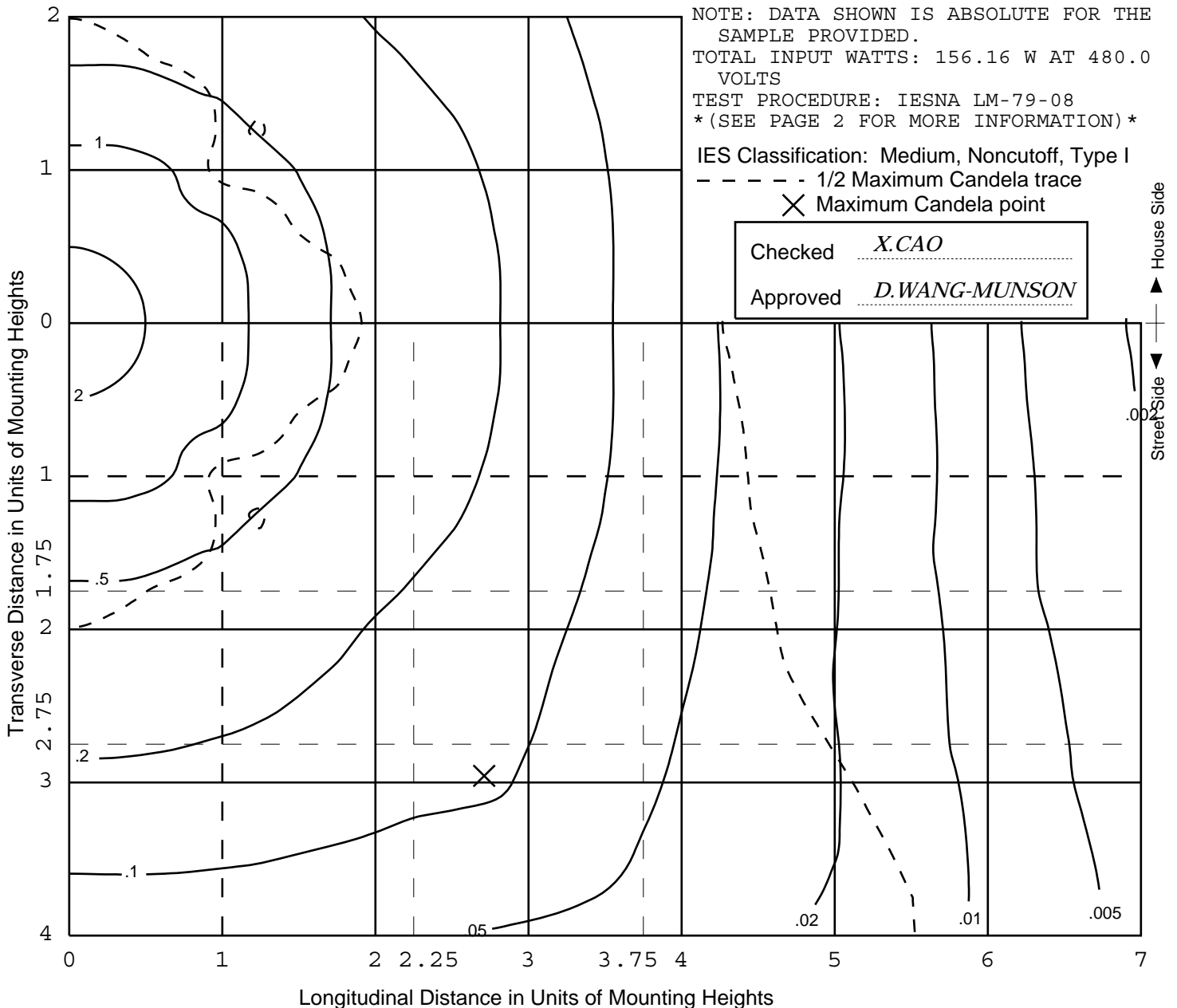
Values based on 25 foot mounting height.



REPORT NUMBER: SCALED FROM RAB01464
 ISSUE DATE: 12/17/15 PAGE: 1 OF 9
 DATE SAMPLE TESTED: 12/17/15
 PREPARED FOR: RAB LIGHTING INC.
 CATALOG NUMBER: ALED5S150Y/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: 156.16 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



REPORT NUMBER: SCALED FROM RAB01464
ISSUE DATE: 12/17/15
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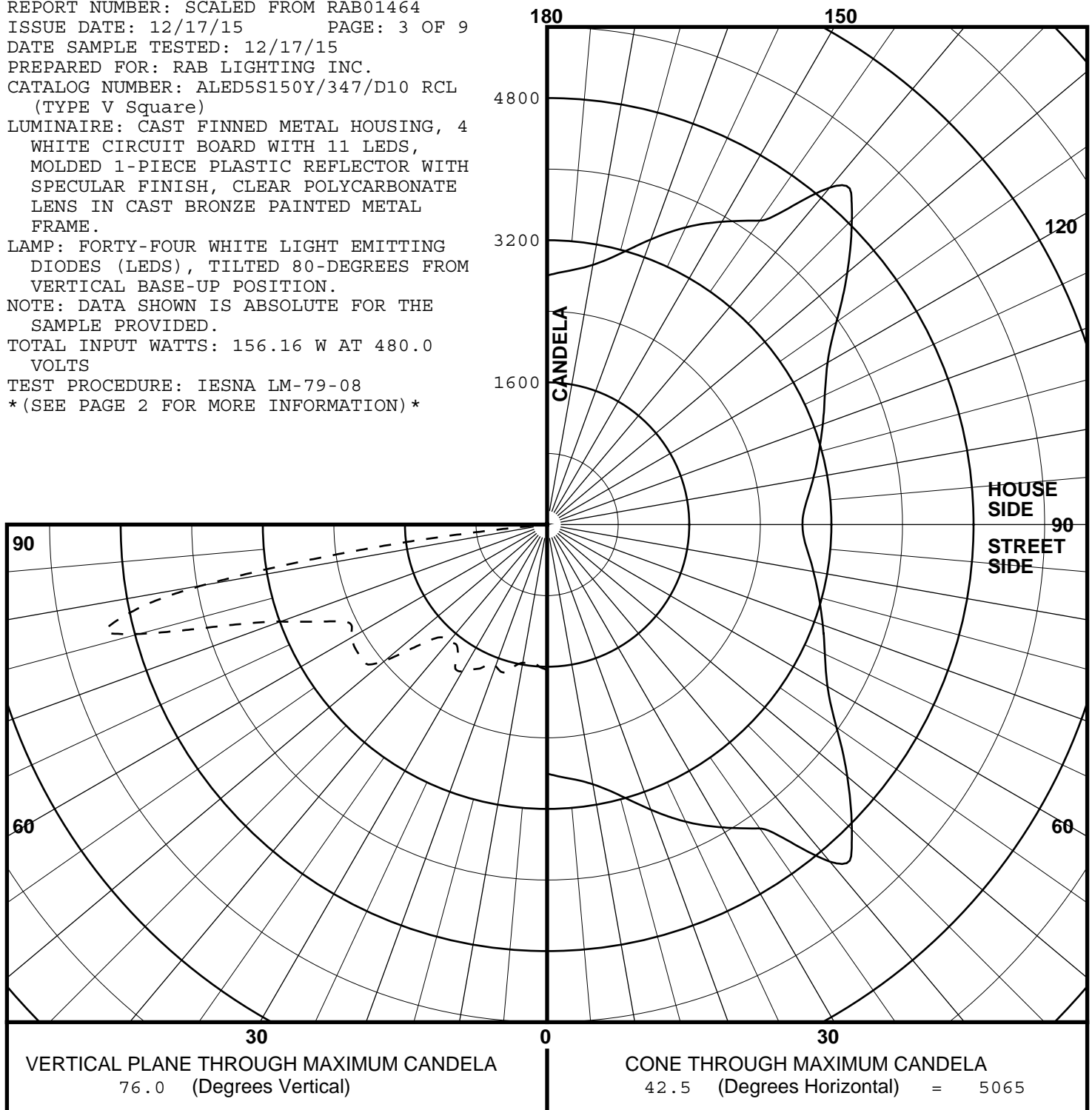
PAGE: 2 OF 9
DATE SAMPLE TESTED: 12/17/15

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

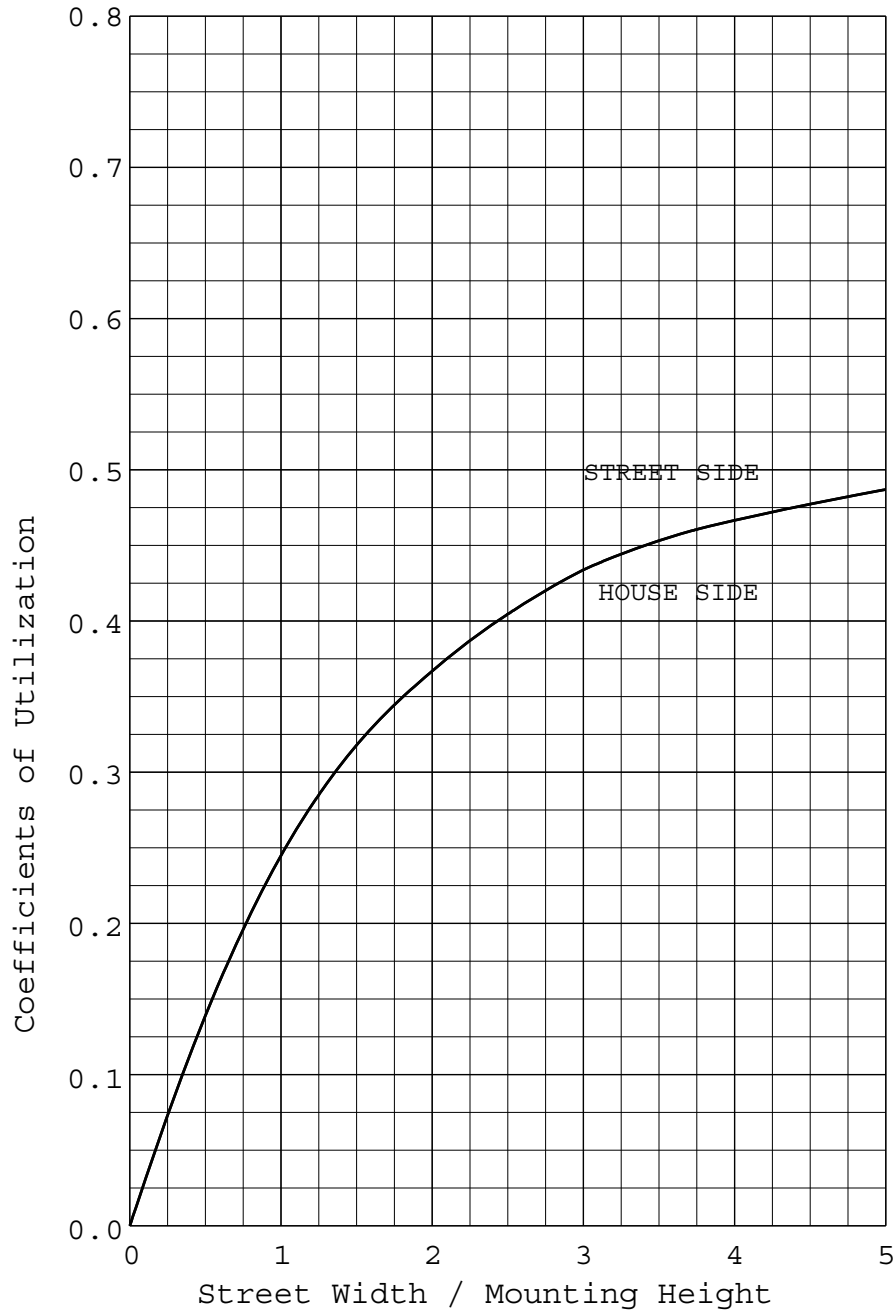
REPORT NUMBER: SCALED FROM RAB01464
 ISSUE DATE: 12/17/15 PAGE: 3 OF 9
 DATE SAMPLE TESTED: 12/17/15
 PREPARED FOR: RAB LIGHTING INC.
 CATALOG NUMBER: ALED5S150Y/347/D10 RCL
 (TYPE V Square)
 LUMINAIRE: CAST FINNED METAL HOUSING, 4
 WHITE CIRCUIT BOARD WITH 11 LEDS,
 MOLDED 1-PIECE PLASTIC REFLECTOR WITH
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 DIODES (LEDS), TILTED 80-DEGREES FROM
 VERTICAL BASE-UP POSITION.
 NOTE: DATA SHOWN IS ABSOLUTE FOR THE
 SAMPLE PROVIDED.
 TOTAL INPUT WATTS: 156.16 W AT 480.0
 VOLTS
 TEST PROCEDURE: IESNA LM-79-08
 (SEE PAGE 2 FOR MORE INFORMATION)



REPORT NUMBER: SCALED FROM RAB01464
ISSUE DATE: 12/17/15
PREPARED FOR: RAB LIGHTING INC.

PAGE: 4 OF 9
DATE SAMPLE TESTED: 12/17/15

COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	6669.	50.0
DOWNWARD HOUSE SIDE	6669.	50.0
DOWNWARD TOTAL	13338.	100.0
UPWARD STREET SIDE	0.	0.0
UPWARD HOUSE SIDE	0.	0.0
UPWARD TOTAL	0.	0.0
TOTAL FLUX	13338.	100.0
TOTAL INPUT WATTS = 156.2		
EFFICACY = 85.4 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.

REPORT NUMBER: SCALED FROM RAB01464
 ISSUE DATE: 12/17/15
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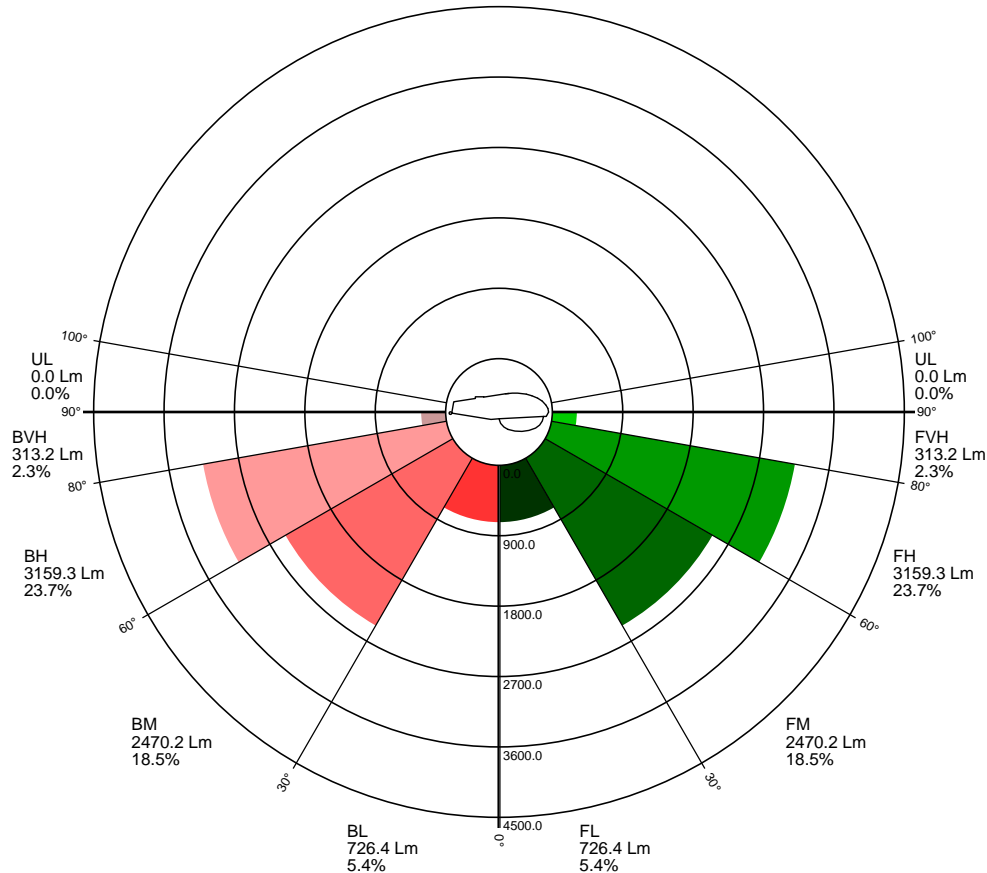
PAGE: 5 OF 9
 DATE SAMPLE TESTED: 12/17/15

BUG Rating:				B4 U0 G3		
Zonal Summary				Zone Ratings		
		Lumens	% of Fixture	B	U	G
Forward						
FL	(0° - 30°)	726.4	5.4			
FM	(30° - 60°)	2470.2	18.5			
FH	(60° - 80°)	3159.3	23.7			G2
FVH	(80° - 90°)	313.2	2.3			G3
Backward						
BL	(0° - 30°)	726.4	5.4	B2		
BM	(30° - 60°)	2470.2	18.5	B2		
BH	(60° - 80°)	3159.3	23.7	B4		G2
BVH	(80° - 90°)	313.2	2.3			G3
Upward						
UL	(90° - 100°)	0.0	0.0		U0	
UH	(100° - 180°)	0.0	0.0		U0	
Trapped Light						
Total Flux				13338 100.0		

Zonal Lumen Summary

(Linear scale)

UH
0.0 Lm
0.0%

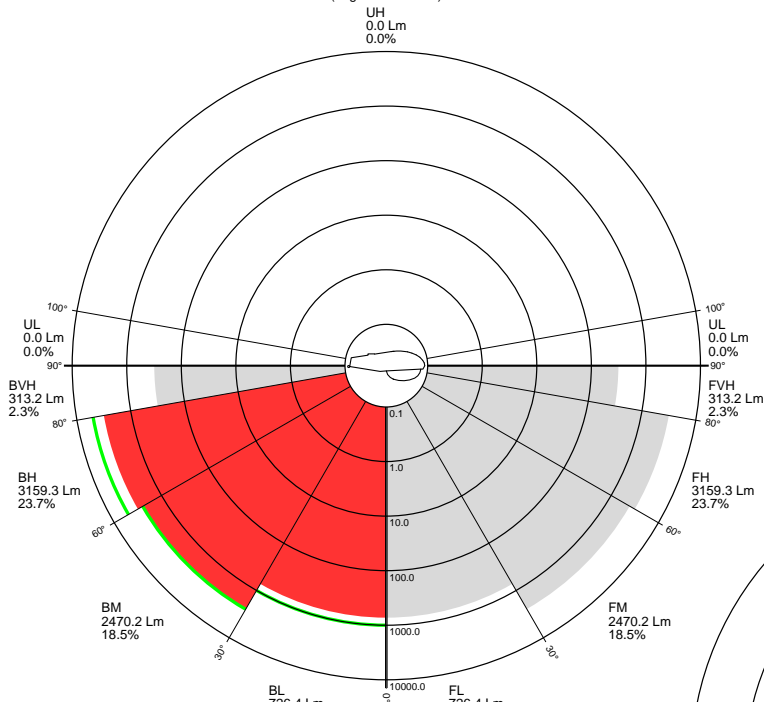


REPORT NUMBER: SCALED FROM RAB01464
 ISSUE DATE: 12/17/15
 PREPARED FOR: RAB LIGHTING INC.

PAGE: 6 OF 9
 DATE SAMPLE TESTED: 12/17/15

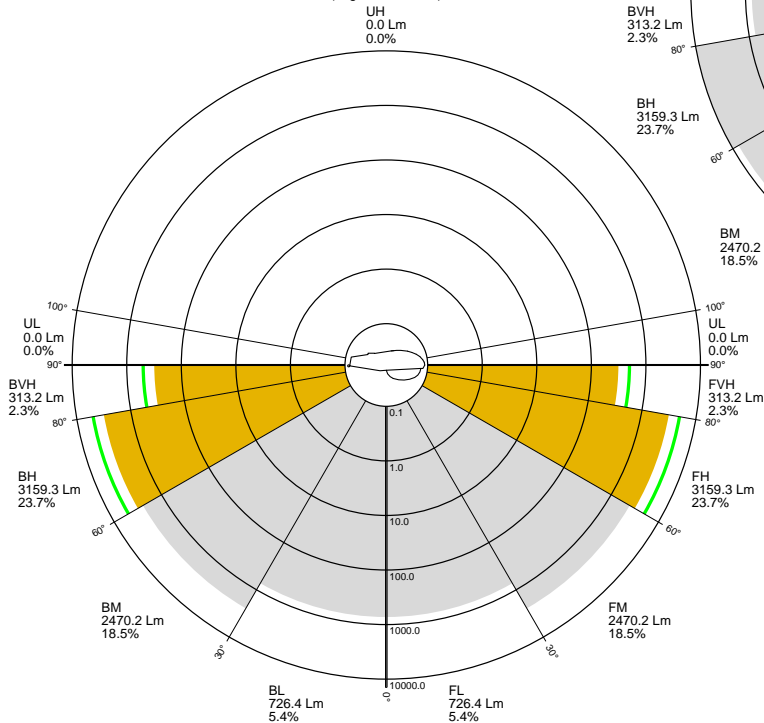
Backlight Rating Details

(Logarithmic scale)



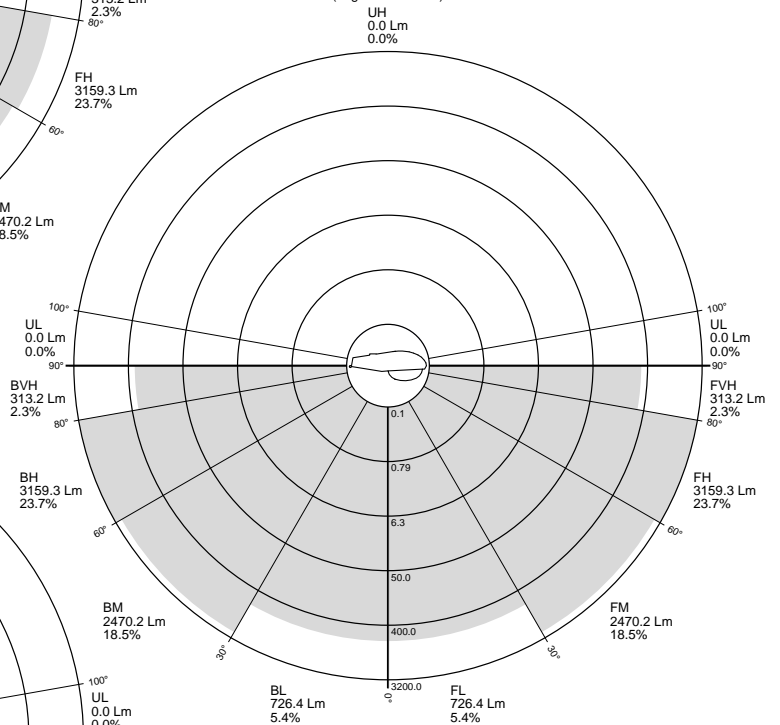
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



REPORT NUMBER: SCALED FROM RAB01464
 ISSUE DATE: 12/17/15
 PREPARED FOR: RAB LIGHTING INC.

PAGE: 7 OF 9
 DATE SAMPLE TESTED: 12/17/15

CANDELA TABULATION

	STREET SIDE	LATERAL ANGLE										
		0.0	5.0	15.0	25.0	35.0	42.5	45.0	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.
	90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	8.	8.	8.	11.	20.	24.	24.	21.	14.	9.	8.
	85.0	24.	30.	72.	271.	410.	174.	66.	394.	287.	80.	32.
	82.5	108.	142.	378.	1032.	2113.	1947.	1772.	2137.	1083.	437.	192.
V	80.0	1086.	1113.	1334.	1811.	3075.	3940.	4119.	3307.	2023.	1399.	1181.
E	77.5	1984.	2044.	2351.	3140.	4030.	4945.	4768.	3890.	3252.	2654.	2373.
R	76.0<<	2802.	2868.	3153.	3690.	4174.	5065.	4851.	3976.	3450.	3168.	2930.
T	75.0	3202.	3253.	3515.	3800.	4212.	4755.	4604.	3972.	3638.	3376.	3114.
I	72.5	3356.	3402.	3587.	3794.	3847.	3772.	3672.	3728.	3662.	3453.	3279.
C	70.0	3416.	3430.	3457.	3439.	3279.	3192.	3115.	3198.	3412.	3437.	3366.
A	67.5	3101.	3160.	3115.	3020.	2846.	2858.	2921.	2864.	3040.	3119.	3106.
L	65.0	2679.	2718.	2670.	2770.	2720.	2574.	2637.	2751.	2838.	2717.	2812.
	62.5	2457.	2471.	2533.	2654.	2655.	2478.	2507.	2726.	2720.	2544.	2516.
A	60.0	2350.	2376.	2523.	2438.	2570.	2540.	2524.	2651.	2613.	2551.	2443.
N	57.5	2261.	2254.	2348.	2289.	2551.	2569.	2553.	2632.	2448.	2538.	2448.
G	55.0	2169.	2161.	2268.	2354.	2427.	2574.	2623.	2505.	2414.	2355.	2256.
L	52.5	2183.	2184.	2221.	2347.	2350.	2570.	2595.	2380.	2389.	2325.	2244.
E	50.0	2187.	2192.	2280.	2372.	2308.	2383.	2306.	2296.	2400.	2369.	2259.
	47.5	2208.	2206.	2335.	2527.	2225.	2064.	2081.	2103.	2434.	2401.	2251.
	45.0	2241.	2251.	2487.	2513.	1988.	1825.	1820.	1918.	2300.	2341.	2222.
	42.5	2250.	2249.	2301.	2123.	1823.	1728.	1753.	1836.	2000.	2098.	2054.
	40.0	2016.	1987.	1973.	1837.	1767.	1714.	1720.	1756.	1860.	1936.	1859.
	37.5	1851.	1845.	1810.	1733.	1869.	1693.	1673.	1828.	1734.	1869.	1852.
	35.0	1766.	1740.	1720.	1786.	1815.	1750.	1721.	1824.	1726.	1753.	1757.
	30.0	1746.	1721.	1678.	1706.	1804.	1907.	1984.	1799.	1738.	1721.	1734.
	25.0	1785.	1777.	1807.	1838.	1786.	1787.	1778.	1775.	1885.	1802.	1778.
	20.0	1759.	1755.	1753.	1692.	1723.	1695.	1702.	1775.	1742.	1698.	1718.
	15.0	1676.	1675.	1661.	1686.	1689.	1714.	1685.	1702.	1674.	1640.	1672.
	10.0	1683.	1676.	1653.	1642.	1623.	1580.	1577.	1571.	1581.	1607.	1628.
	5.0	1598.	1598.	1625.	1586.	1577.	1568.	1580.	1580.	1588.	1632.	1595.
	0.0	1635.	1635.	1635.	1635.	1635.	1635.	1635.	1635.	1635.	1635.	1635.
							PLANE OF MAXIMUM CANDELA					
							CONE OF MAXIMUM CANDELA					

REPORT NUMBER: SCALED FROM RAB01464
 ISSUE DATE: 12/17/15
 PREPARED FOR: RAB LIGHTING INC.

PAGE: 8 OF 9
 DATE SAMPLE TESTED: 12/17/15

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.	21.	24.	20.	11.	8.	8.	8.
85.0	25.	32.	80.	287.	394.	66.	410.	271.	72.	30.	24.
82.5	121.	192.	437.	1083.	2137.	1772.	2113.	1032.	378.	142.	108.
V 80.0	1126.	1181.	1399.	2023.	3307.	4119.	3075.	1811.	1334.	1113.	1086.
E 77.5	2239.	2373.	2654.	3252.	3890.	4768.	4030.	3140.	2351.	2044.	1984.
R 76.0<<	2874.	2930.	3168.	3450.	3976.	4851.	4174.	3690.	3153.	2868.	2802.
T 75.0	3093.	3114.	3376.	3638.	3972.	4604.	4212.	3800.	3515.	3253.	3202.
I 72.5	3207.	3279.	3453.	3662.	3728.	3672.	3847.	3794.	3587.	3402.	3356.
C 70.0	3329.	3366.	3437.	3412.	3198.	3115.	3279.	3439.	3457.	3430.	3416.
A 67.5	3076.	3106.	3119.	3040.	2864.	2921.	2846.	3020.	3115.	3160.	3101.
L 65.0	2799.	2812.	2717.	2838.	2751.	2637.	2720.	2770.	2670.	2718.	2679.
62.5	2488.	2516.	2544.	2720.	2726.	2507.	2655.	2654.	2533.	2471.	2457.
A 60.0	2397.	2443.	2551.	2613.	2651.	2524.	2570.	2438.	2523.	2376.	2350.
N 57.5	2477.	2448.	2538.	2448.	2632.	2553.	2551.	2289.	2348.	2254.	2261.
G 55.0	2275.	2256.	2355.	2414.	2505.	2623.	2427.	2354.	2268.	2161.	2169.
L 52.5	2254.	2244.	2325.	2389.	2380.	2595.	2350.	2347.	2221.	2184.	2183.
E 50.0	2264.	2259.	2369.	2400.	2296.	2306.	2308.	2372.	2280.	2192.	2187.
47.5	2254.	2251.	2401.	2434.	2103.	2081.	2225.	2527.	2335.	2206.	2208.
45.0	2231.	2222.	2341.	2300.	1918.	1820.	1988.	2513.	2487.	2251.	2241.
42.5	2082.	2054.	2098.	2000.	1836.	1753.	1823.	2123.	2301.	2249.	2250.
40.0	1900.	1859.	1936.	1860.	1756.	1720.	1767.	1837.	1973.	1987.	2016.
37.5	1877.	1852.	1869.	1734.	1828.	1673.	1869.	1733.	1810.	1845.	1851.
35.0	1784.	1757.	1753.	1726.	1824.	1721.	1815.	1786.	1720.	1740.	1766.
30.0	1760.	1734.	1721.	1738.	1799.	1984.	1804.	1706.	1678.	1721.	1746.
25.0	1775.	1778.	1802.	1885.	1775.	1778.	1786.	1838.	1807.	1777.	1785.
20.0	1723.	1718.	1698.	1742.	1775.	1702.	1723.	1692.	1753.	1755.	1759.
15.0	1677.	1672.	1640.	1674.	1702.	1685.	1689.	1686.	1661.	1675.	1676.
10.0	1632.	1628.	1607.	1581.	1571.	1577.	1623.	1642.	1653.	1676.	1683.
5.0	1593.	1595.	1632.	1588.	1580.	1580.	1577.	1586.	1625.	1598.	1598.
0.0	1635.	1635.	1635.	1635.	1635.	1635.	1635.	1635.	1635.	1635.	1635.

CONE OF MAXIMUM CANDELA

REPORT NUMBER: SCALED FROM RAB01464
 ISSUE DATE: 12/17/15
 PREPARED FOR: RAB LIGHTING INC.

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

5-DEGREE ZONAL LUMEN SUMMARY

0- 5	39
5- 10	115
10- 15	196
15- 20	281
20- 25	371
25- 30	451
30- 35	518
35- 40	602
40- 45	751
45- 50	918
50- 55	1018
55- 60	1133
60- 65	1267
65- 70	1534
70- 75	1867
75- 80	1650
80- 85	598
85- 90	29
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	153
0- 20	630
0- 30	1453
0- 40	2573
0- 50	4242
0- 60	6393
0- 70	9195
0- 80	12712
0- 90	13338
0-100	13338
0-110	13338
0-120	13338
0-130	13338
0-140	13338
0-150	13338
0-160	13338
0-170	13338
0-180	13338