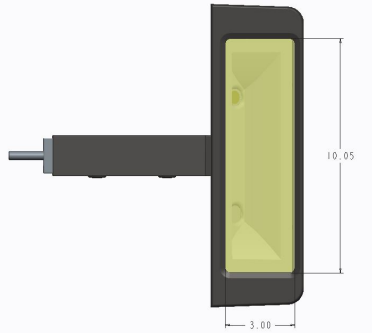


### ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 20 foot mounting height.



REPORT NUMBER: PRORATED FROM RAB02661  
 ISSUE DATE: 11/07/16 PAGE: 1 OF 9  
 PREPARED FOR: RAB LIGHTING INC.  
 CATALOG NUMBER: ALEDC80/480,  
 WPLEDC80/480 (7.5-DEGREE UPTILT - CUTOFF)

LUMINAIRE: CAST FINNED METAL HOUSING,  
 2-PIECE EXTRUDED METAL HEAT SINK, 2  
 CIRCUIT BOARDS EACH WITH 1 LED,  
 MOLDED PLASTIC REFLECTOR WITH  
 SPECULAR FINISH AND 1 OPTICAL  
 COMPARTMENT WITH 1 APERTURE PER LED,  
 CLEAR FLAT GLASS LENS IN CAST BROWN  
 PAINTED METAL FRAME.

LAMPS: TWO WHITE MULTI-CHIP LIGHT  
 EMITTING DIODES (LEDs), TILTED  
 47.5-DEGREES FROM VERTICAL BASE-UP  
 POSITION.

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

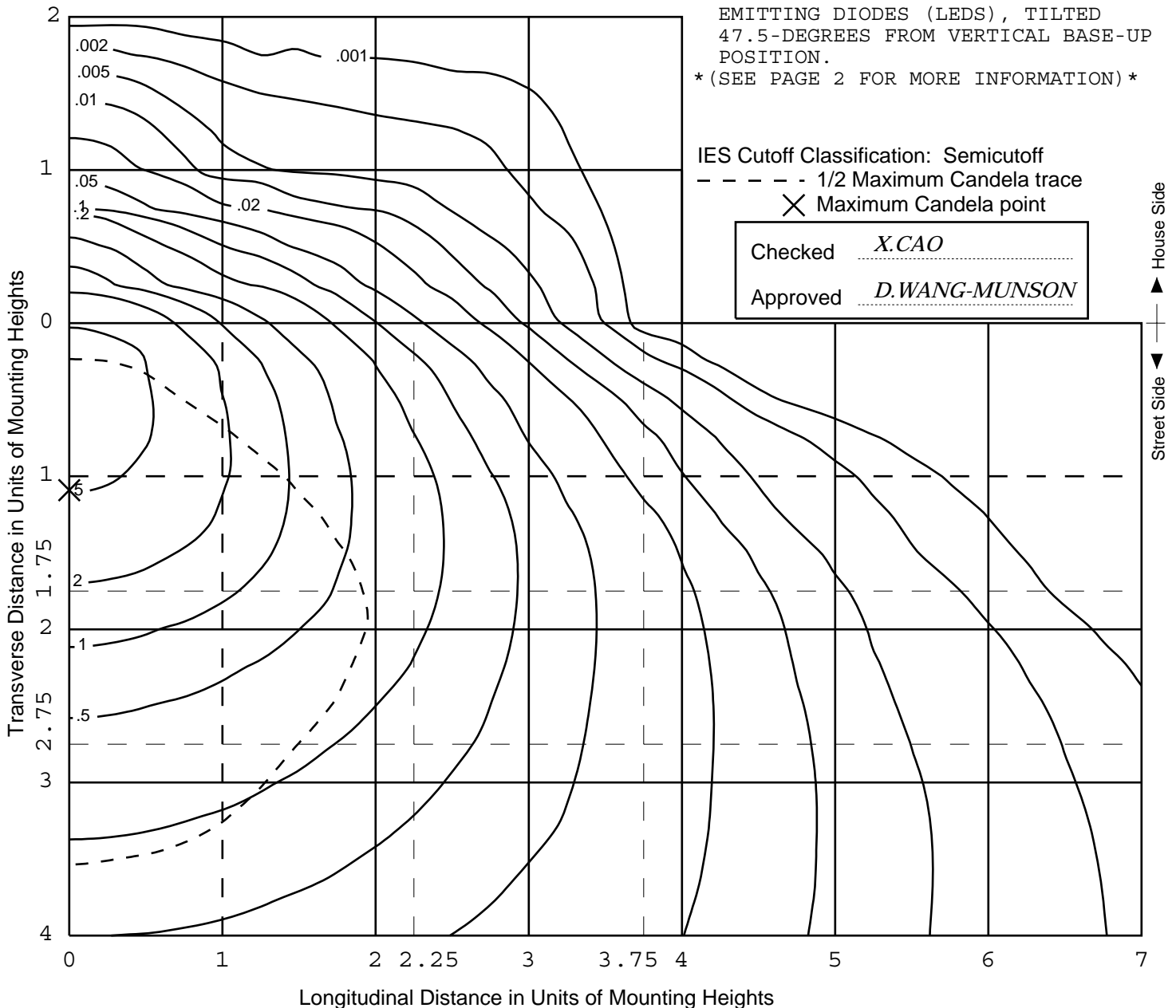
IES Cutoff Classification: Semicutoff

--- 1/2 Maximum Candela trace

X Maximum Candela point

Checked X.CAO

Approved D.WANG-MUNSON



REPORT NUMBER: PRORATED FROM RAB02661  
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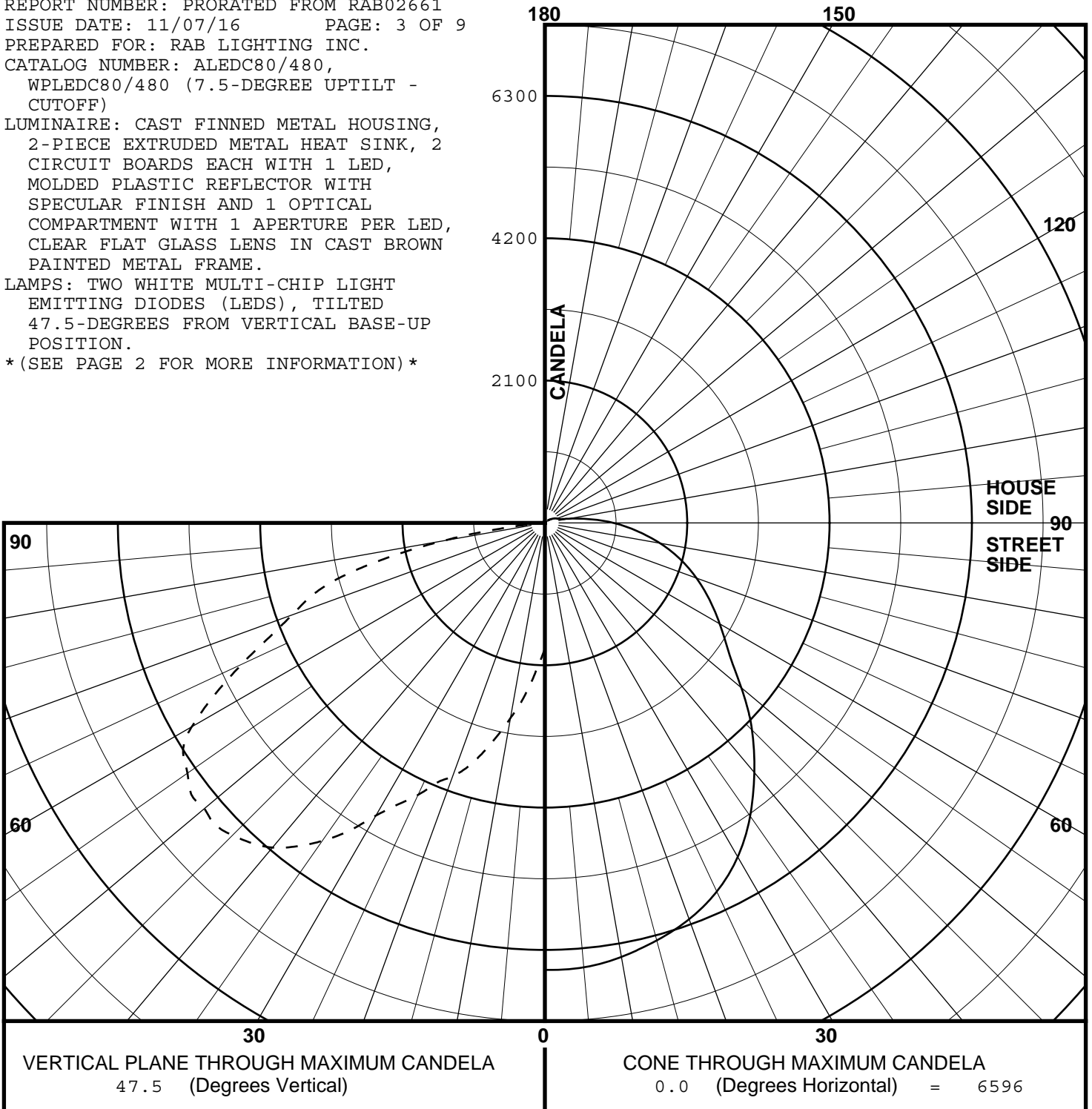
PAGE: 2 OF 9

## ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB02661 WHICH WAS ALEDC80Y/480,  
WPLED80Y/480. ACTUAL PERFORMANCE MAY VARY.  
TOTAL INPUT WATTS = 82.5 W AT 480.0 VAC.  
LED DRIVER: RD-H100-A2000-480  
TEST PROCEDURE: IESNA LM-79-08

### MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

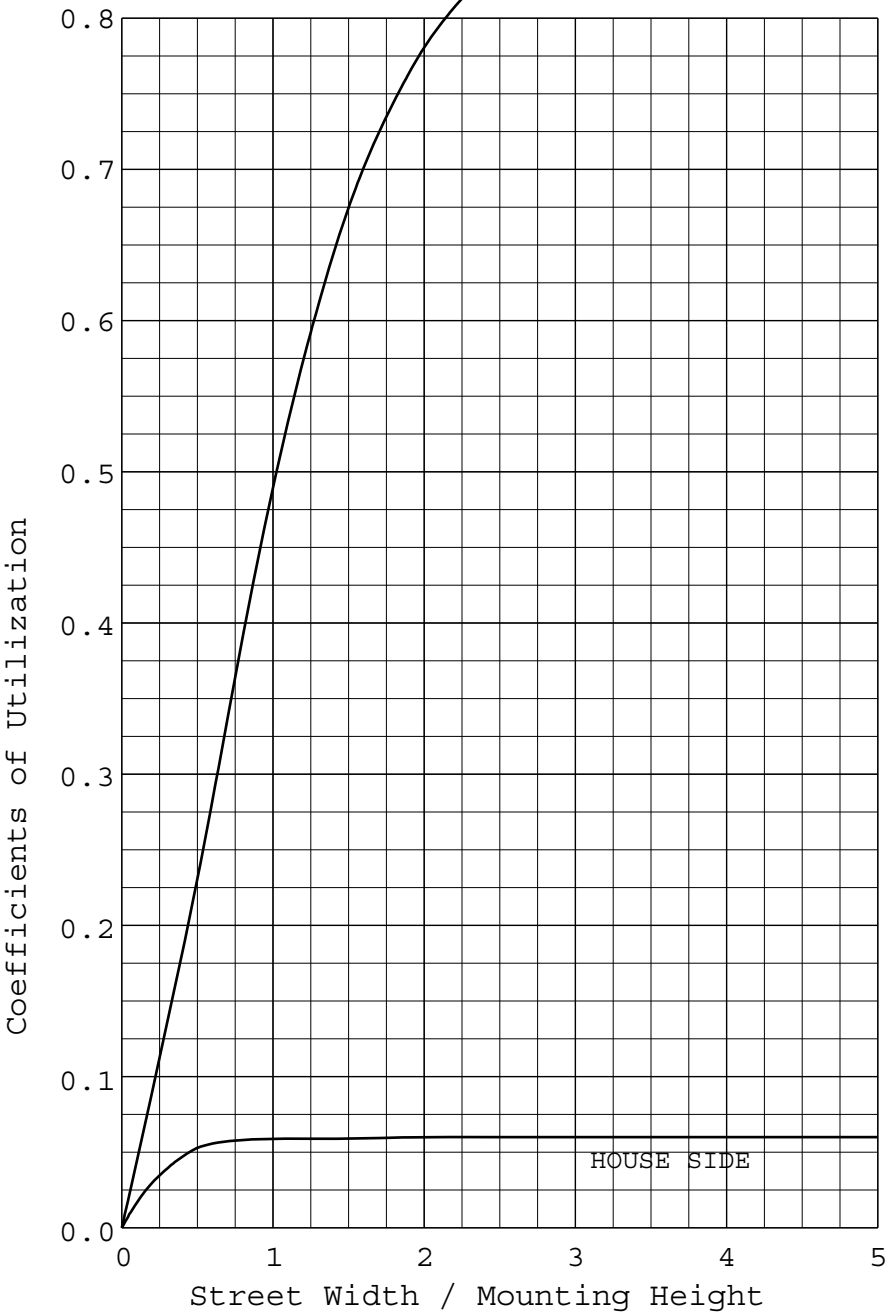
REPORT NUMBER: PRORATED FROM RAB02661  
 ISSUE DATE: 11/07/16 PAGE: 3 OF 9  
 PREPARED FOR: RAB LIGHTING INC.  
 CATALOG NUMBER: ALEDC80/480,  
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 PAINTED METAL FRAME.  
 LAMPS: TWO WHITE MULTI-CHIP LIGHT  
 EMITTING DIODES (LEDs), TILTED  
 47.5-DEGREES FROM VERTICAL BASE-UP  
 POSITION.  
 \*(SEE PAGE 2 FOR MORE INFORMATION)\*



REPORT NUMBER: PRORATED FROM RAB02661  
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PREPARED FOR: RAB LIGHTING INC.

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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	8851.	93.9
DOWNWARD HOUSE SIDE	572.	6.1
DOWNWARD TOTAL	9422.	100.0
UPWARD STREET SIDE	1.	0.0
UPWARD HOUSE SIDE	1.	0.0
UPWARD TOTAL	2.	0.0
TOTAL FLUX	9424.	100.0
TOTAL INPUT WATTS = 82.5		
EFFICACY = 114.2 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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 ISSUE DATE: 11/07/16  
 PREPARED FOR: RAB LIGHTING INC.

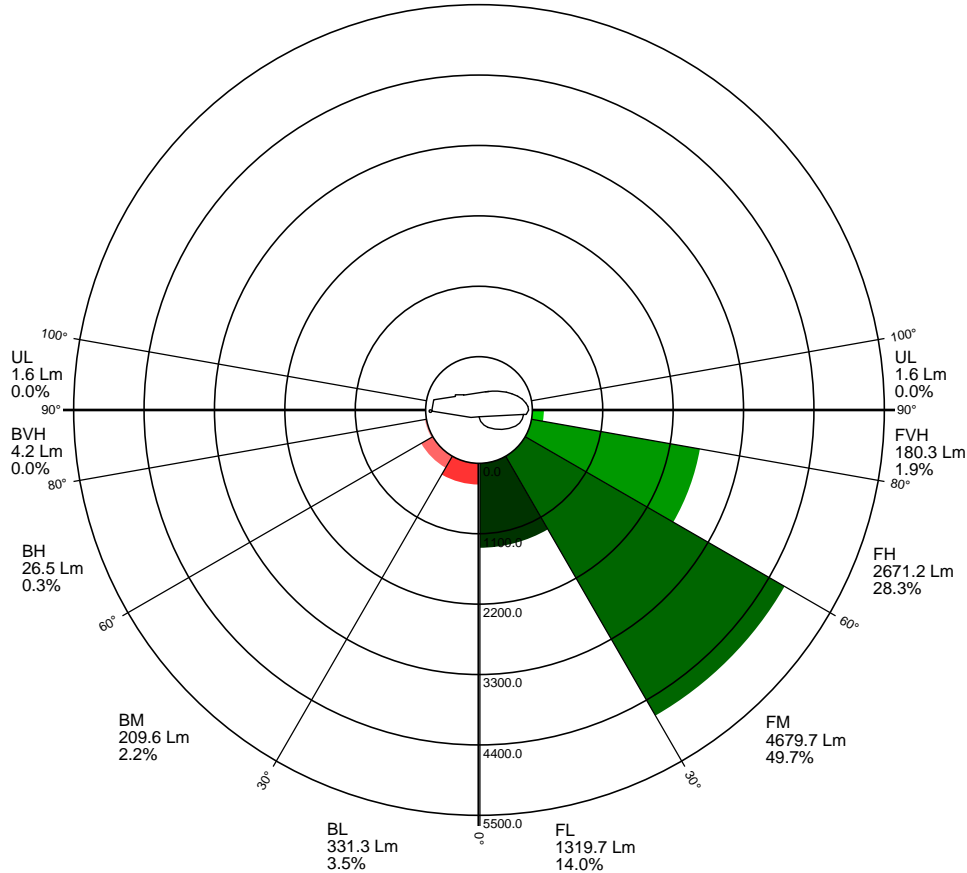
PAGE: 5 OF 9

BUG Rating:				B1 U1 G2		
Zonal Summary		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		8851	93.9			
FL	(0° - 30°)	1319.7	14.0			
FM	(30° - 60°)	4679.7	49.7			
FH	(60° - 80°)	2671.2	28.3			G2
FVH	(80° - 90°)	180.3	1.9			G2
Backward		572	6.1			
BL	(0° - 30°)	331.3	3.5	B1		
BM	(30° - 60°)	209.6	2.2	B0		
BH	(60° - 80°)	26.5	0.3	B0		G0
BVH	(80° - 90°)	4.2	0.0			G0
Upward		2	0.0			
UL	(90° - 100°)	1.6	0.0		U1	
UH	(100° - 180°)	0.0	0.0		U0	
Trapped Light		0	0.0			
Total Flux		9424	100.0			

### Zonal Lumen Summary

(Linear scale)

UH  
0.0 Lm  
0.0%

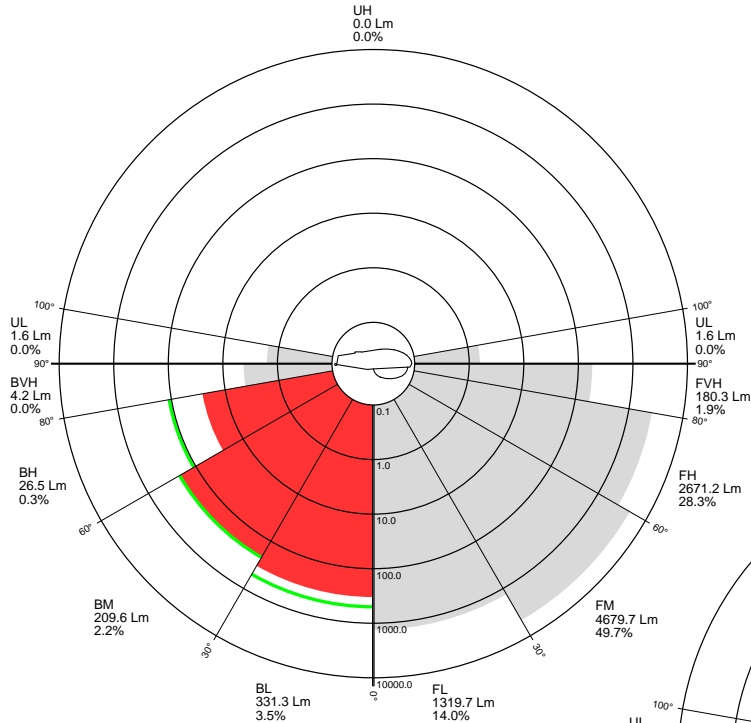


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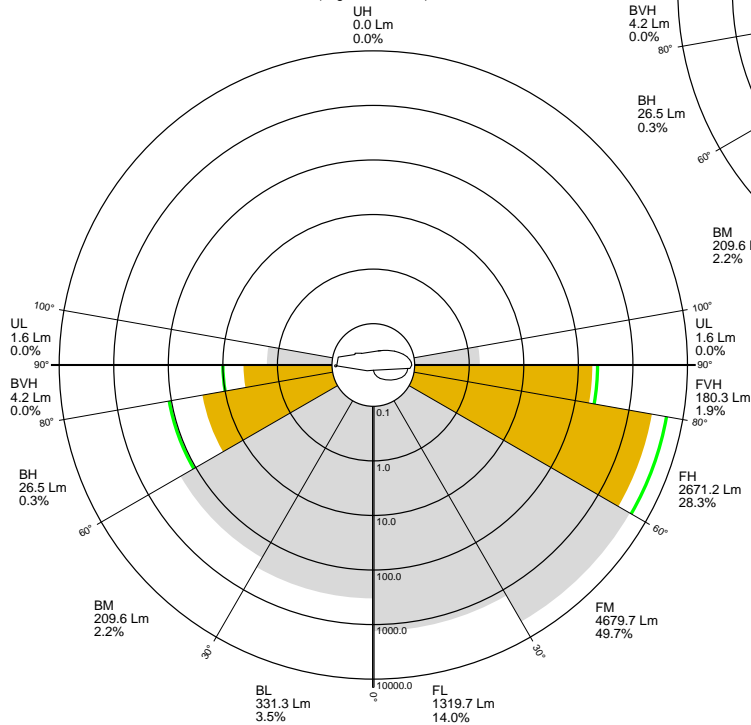
### Backlight Rating Details

(Logarithmic scale)



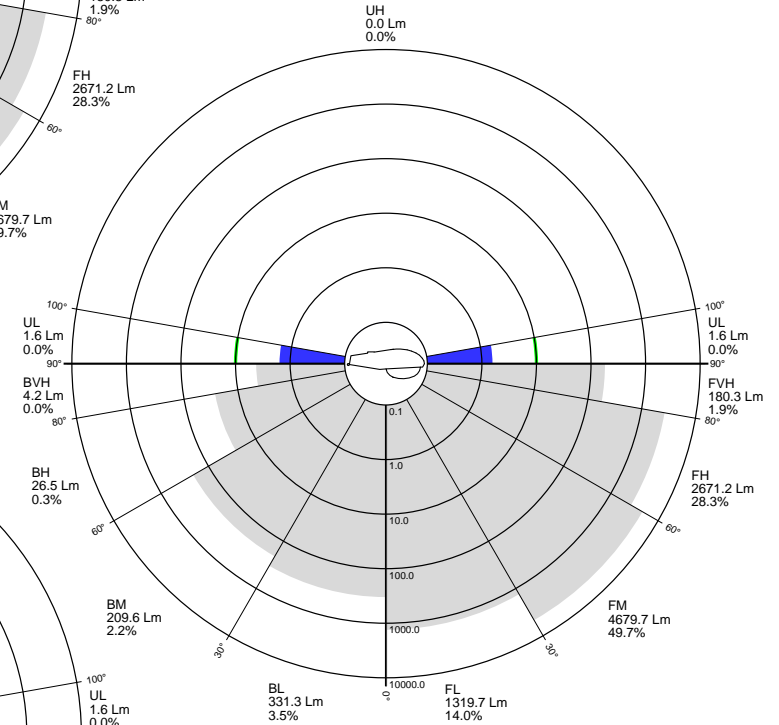
### Glare Rating Details

(Logarithmic scale)



### Uplight Rating Details

(Logarithmic scale)



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### CANDELA TABULATION

	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	23.	22.	21.	19.	13.	9.	9.	9.	10. 11.
	87.5	82.	80.	80.	78.	53.	34.	30.	37.	10. 11.
	85.0	184.	184.	208.	251.	284.	244.	211.	157.	38. 11.
V	82.5	713.	718.	790.	867.	930.	855.	526.	292.	78. 11.
E	80.0	1538.	1538.	1604.	1689.	1680.	1525.	951.	471.	156. 11.
R	77.5	2397.	2393.	2408.	2416.	2351.	2061.	1381.	814.	258. 17.
T	75.0	3143.	3134.	3109.	3008.	2774.	2430.	1825.	1197.	445. 76.
I	72.5	3633.	3623.	3516.	3320.	3150.	2863.	2244.	1518.	667. 200.
C	70.0	3970.	3963.	3859.	3714.	3597.	3313.	2606.	1769.	877. 369.
A	67.5	4396.	4386.	4292.	4195.	4144.	3719.	2821.	1969.	1069. 520.
L	65.0	4938.	4916.	4837.	4733.	4697.	3988.	2985.	2120.	1249. 673.
	62.5	5495.	5433.	5371.	5275.	5129.	4178.	3118.	2226.	1436. 810.
A	60.0	6016.	5962.	5901.	5708.	5305.	4308.	3222.	2296.	1602. 930.
N	57.5	6328.	6300.	6149.	5885.	5422.	4388.	3286.	2352.	1745. 1031.
G	55.0	6437.	6409.	6317.	6063.	5439.	4421.	3335.	2398.	1864. 1128.
L	52.5	6578.	6559.	6405.	6100.	5437.	4409.	3350.	2472.	1956. 1216.
E	50.0	6558.	6553.	6420.	6097.	5374.	4382.	3339.	2569.	2021. 1294.
	47.5<<	6596.	6583.	6378.	6001.	5279.	4322.	3308.	2678.	2070. 1364.
	45.0	6519.	6499.	6286.	5842.	5180.	4231.	3287.	2803.	2121. 1431.
	42.5	6406.	6378.	6143.	5666.	5029.	4114.	3325.	2897.	2180. 1494.
	40.0	6253.	6212.	5966.	5480.	4846.	3975.	3383.	2966.	2235. 1570.
	37.5	6016.	5985.	5709.	5261.	4676.	3926.	3442.	2999.	2284. 1646.
	35.0	5728.	5700.	5453.	5021.	4479.	3929.	3487.	2994.	2328. 1716.
	30.0	4985.	4975.	4812.	4540.	4226.	3859.	3468.	2935.	2375. 1846.
	25.0	4429.	4415.	4330.	4149.	3969.	3683.	3285.	2807.	2380. 1915.
	20.0	3980.	3975.	3988.	3860.	3656.	3349.	3015.	2669.	2323. 1953.
	15.0	3501.	3515.	3505.	3367.	3181.	2972.	2754.	2518.	2235. 1952.
	10.0	2924.	2959.	2947.	2853.	2734.	2632.	2485.	2315.	2133. 1934.
	5.0	2372.	2393.	2404.	2361.	2270.	2236.	2163.	2086.	1989. 1889.
	0.0	1855.	1855.	1855.	1855.	1855.	1855.	1855.	1855.	1855.

||  
 PLANE OF MAXIMUM CANDELA

CONE OF MAXIMUM CANDELA

REPORT NUMBER: PRORATED FROM RAB02661  
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### CANDELA TABULATION

CANDELA TABULATION		LATERAL ANGLE										
HOUSE SIDE		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	11.	11.	11.	11.	10.	9.	8.	7.	6.	6.	6.
	87.5	11.	11.	11.	10.	9.	9.	7.	6.	5.	5.	5.
	85.0	11.	11.	10.	10.	9.	8.	7.	5.	4.	4.	3.
V	82.5	10.	10.	10.	9.	8.	7.	6.	5.	3.	2.	2.
E	80.0	10.	10.	10.	9.	8.	7.	6.	4.	3.	1.	1.
R	77.5	11.	10.	11.	10.	7.	6.	5.	4.	2.	1.	0.
T	75.0	12.	10.	15.	14.	8.	6.	4.	3.	2.	0.	0.
I	72.5	78.	57.	25.	23.	9.	6.	4.	3.	1.	0.	0.
C	70.0	163.	92.	36.	24.	12.	6.	4.	3.	1.	0.	0.
A	67.5	267.	125.	58.	22.	13.	7.	5.	3.	2.	0.	0.
L	65.0	387.	177.	83.	22.	14.	9.	5.	4.	3.	1.	0.
	62.5	497.	237.	110.	26.	14.	10.	7.	5.	4.	4.	4.
A	60.0	601.	301.	134.	34.	13.	11.	9.	9.	9.	8.	8.
N	57.5	694.	367.	155.	53.	16.	11.	12.	14.	16.	16.	15.
G	55.0	783.	437.	172.	83.	21.	13.	14.	18.	22.	22.	22.
L	52.5	870.	508.	191.	112.	31.	16.	17.	23.	27.	28.	28.
E	50.0	950.	578.	208.	134.	49.	24.	22.	25.	29.	32.	32.
	47.5<<	1018.	650.	222.	157.	83.	37.	27.	28.	30.	32.	33.
	45.0	1079.	715.	239.	174.	118.	52.	37.	32.	33.	34.	34.
	42.5	1142.	777.	263.	190.	145.	83.	49.	42.	37.	37.	37.
	40.0	1215.	852.	307.	213.	166.	119.	71.	55.	54.	49.	49.
	37.5	1301.	941.	373.	240.	189.	152.	113.	80.	66.	64.	64.
	35.0	1384.	1038.	467.	274.	219.	189.	169.	142.	113.	91.	92.
	30.0	1550.	1245.	700.	377.	333.	289.	279.	274.	264.	252.	254.
	25.0	1666.	1420.	940.	571.	434.	419.	390.	392.	393.	389.	388.
	20.0	1747.	1556.	1163.	839.	597.	504.	505.	506.	497.	491.	485.
	15.0	1797.	1655.	1363.	1096.	888.	714.	618.	574.	556.	557.	557.
	10.0	1826.	1729.	1548.	1366.	1192.	1097.	965.	896.	846.	827.	816.
	5.0	1836.	1787.	1704.	1628.	1544.	1474.	1410.	1375.	1325.	1336.	1324.
	0.0	1855.	1855.	1855.	1855.	1855.	1855.	1855.	1855.	1855.	1855.	1855.

CONE OF MAXIMUM CANDELA

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### 5-DEGREE ZONAL LUMEN SUMMARY

0- 5	44
5- 10	133
10- 15	222
15- 20	318
20- 25	418
25- 30	516
30- 35	613
35- 40	708
40- 45	799
45- 50	880
50- 55	936
55- 60	953
60- 65	898
65- 70	769
70- 75	614
75- 80	416
80- 85	163
85- 90	22
90- 95	2
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	177
0- 20	717
0- 30	1651
0- 40	2972
0- 50	4651
0- 60	6540
0- 70	8207
0- 80	9238
0- 90	9422
0-100	9424
0-110	9424
0-120	9424
0-130	9424
0-140	9424
0-150	9424
0-160	9424
0-170	9424
0-180	9424