

CALCULATION SUMMARY		GRID / TYPE	PTS	SPAC	GROUP	AVERAGE	MAX	MIN	MAX/MIN	AVE/MIN
AREA NAME	DIMENSIONS		422	10.00	(+)	1.09	1.64	0.47	3.52	2.34
Parking & Path	681.50x705.10ft	parking intersection driveway	123	10.00	(*)	1.81	7.48	0.35	21.40	5.19
			71	10.00	(#)	1.87	3.45	0.65	5.31	2.88

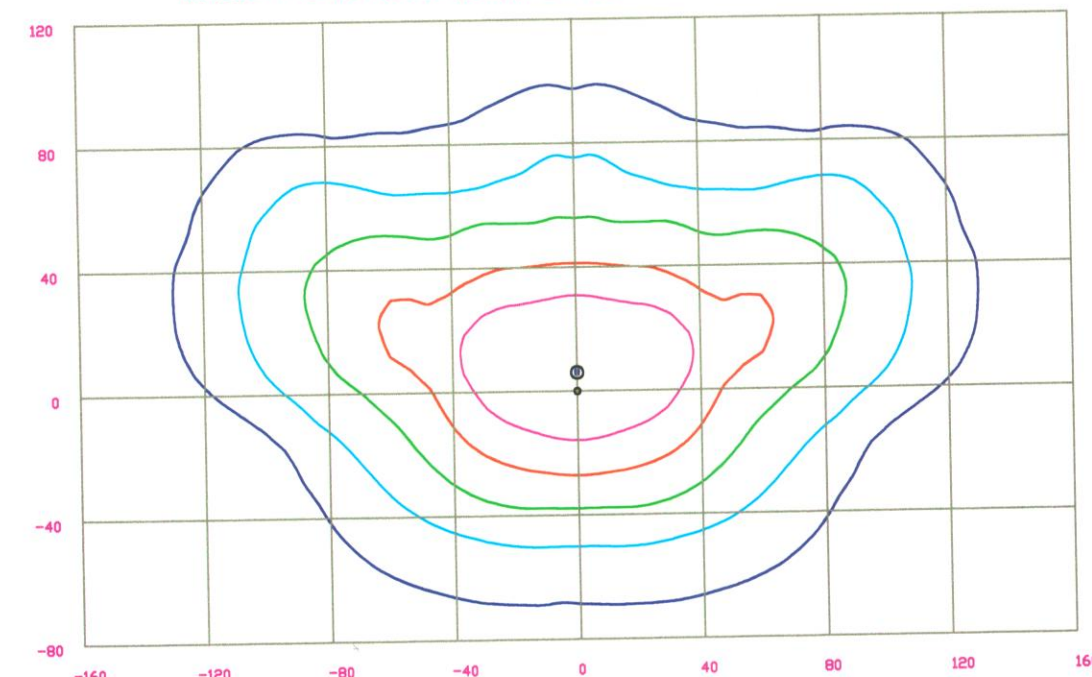
uniformity
 Avg < 4%
 Min
 1.09 / 0.47 = 2.47

Koka	Booth	Amphitheater	VIP	Pkg	Lot	LUMINAIRE SCHEDULE	LAMP	LUMENS	MOUNTING/BALLAST	CLF	QTY
205A						GE C&I LIGHTIN LED205 1/POLE (1) "L205" LED205 1-4/POLE	(1) CREE XP-E 6000K LED	-1	32" SQ POLE	0.85	3
205B						GE C&I LIGHTIN LED205 2/POLE (2) "L205" LED205 1-4/POLE	(2) CREE XP-E 6000K LED	-1	32" SQ POLE	0.85	2
EC8A						AMERICAN ELECTR EC0FS0 1/POLE (1) "EC50" EC50 1-4/POLE	(1) LU 400	50000	30" F/G MODUL	0.72	2
PS90						COOPER POSTS90 1/POST (1) "S90" POSTS90 1/POST	(1) MHC100/C/U/M/4K	8400	16" MT HT 8400 MH	0.72	6

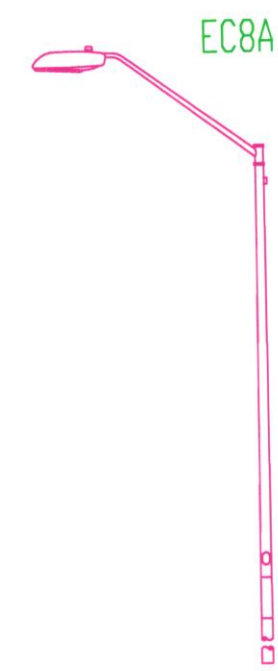
ISOFOOTCANDLE CURVES

FIXTURE: ENCLOSED CUTOFF COBRA HEAD - AEL
 MOUNTING HEIGHT: 30 FT
 LAMP: 400W, 50000 LUMENS, SODIUM
 PATTERN: TYPE III, FULL CUTOFF
 ASSY# LS0ENCUTOFF (GRAY)

NOTE: THE FOOTCANDLE READINGS BELOW ARE MAINTAINED AND HAVE BEEN DEPRECIATED FOR LAMP LUMEN DEPRECIATION AND LUMINAIRE DIRT DEPRECIATION. FOR INITIAL FOOTCANDLES, DIVIDE THE READINGS BELOW BY .72.



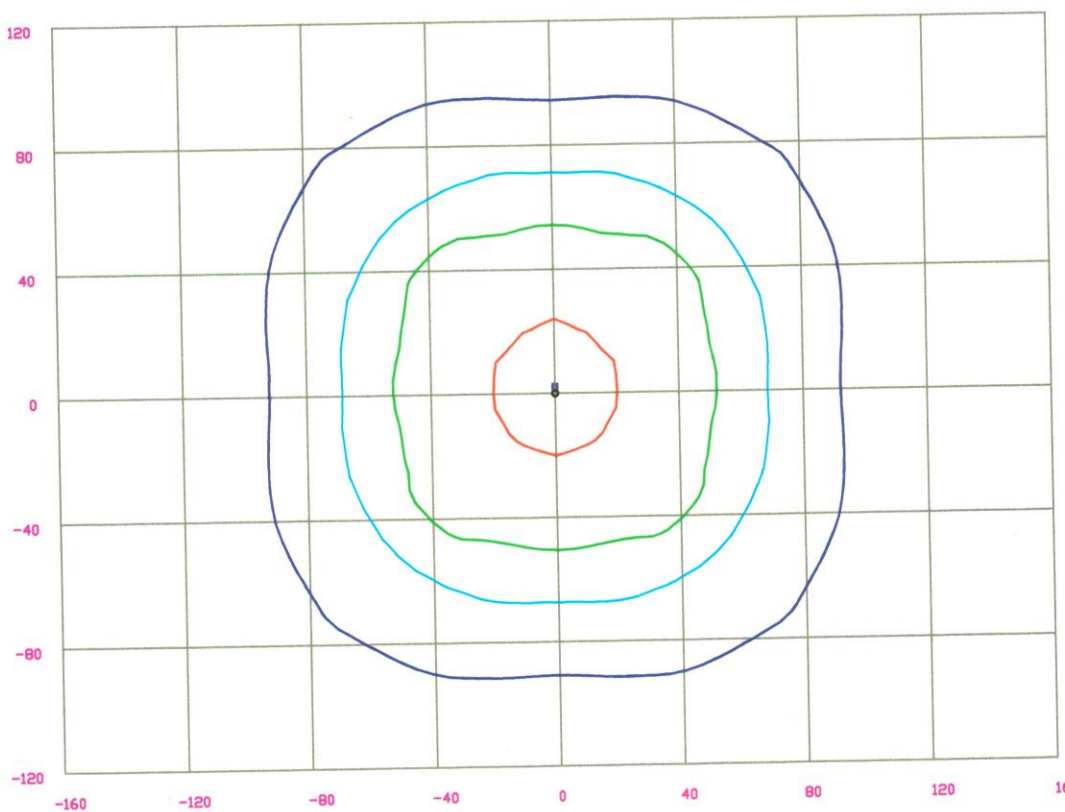
LEGEND (OUTER to INNER) 0.100, 0.250, 0.500, 1.00, 2.00



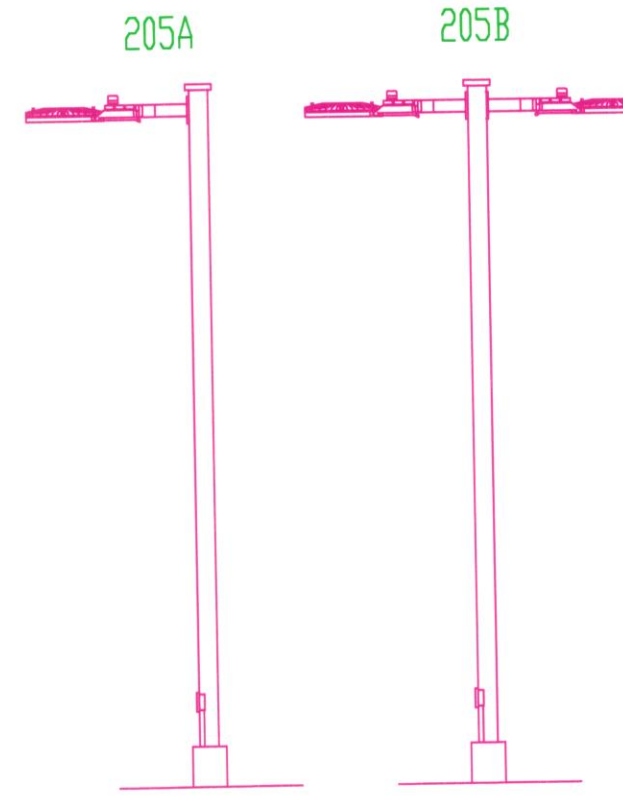
ISOFOOTCANDLE CURVES

FIXTURE: LED205
 MOUNTING HEIGHT: 32 FT
 LIGHT SOURCE: 180 LED'S
 PATTERN: TYPE V, B4-U2-G2(zero light at or above 90 degrees)
 ASSY# LED205-SOPEC

NOTE: THE FOOTCANDLE READINGS BELOW ARE MAINTAINED AND HAVE BEEN DEPRECIATED FOR LAMP LUMEN DEPRECIATION AND LUMINAIRE DIRT DEPRECIATION. FOR INITIAL FOOTCANDLES, DIVIDE THE READINGS BELOW BY .85.



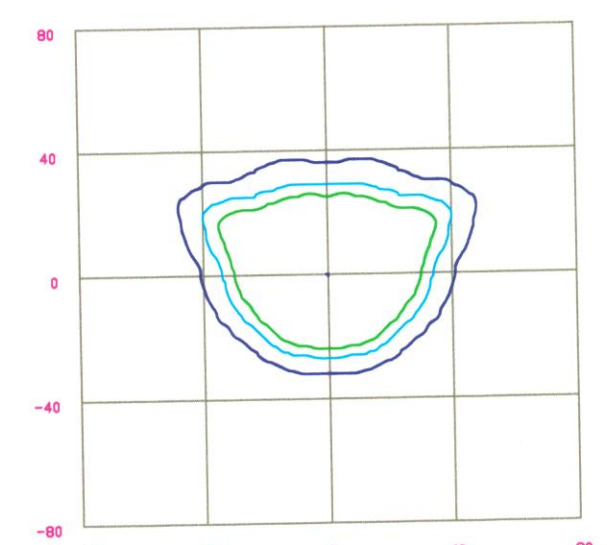
LEGEND (OUTER to INNER) 0.100, 0.250, 0.350, 0.500, 0.600



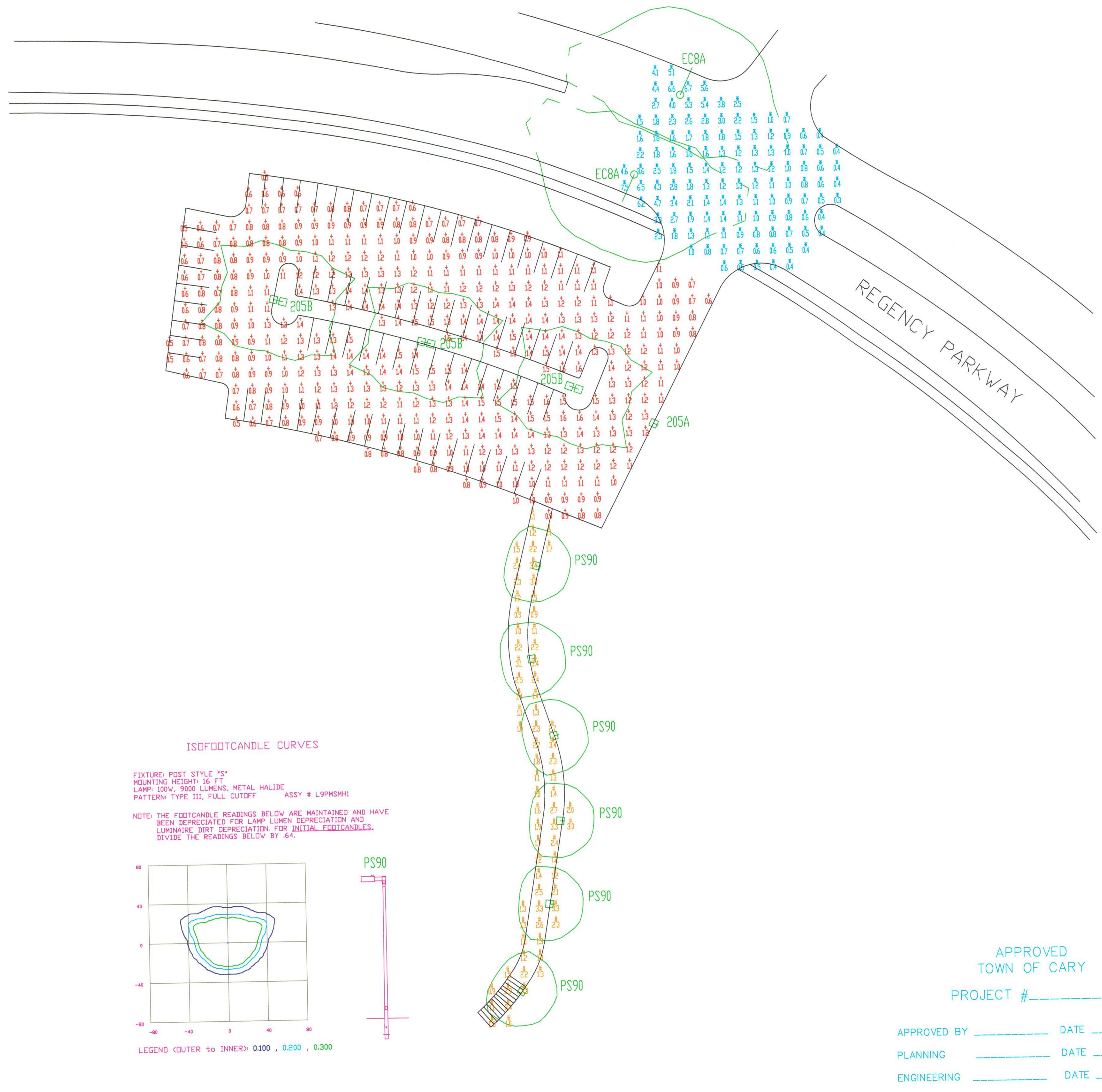
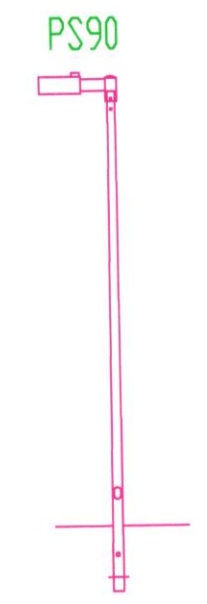
ISOFOOTCANDLE CURVES

FIXTURE: POST STYLE 'S'
 MOUNTING HEIGHT: 16 FT
 LAMP: 100W, 9000 LUMENS, METAL HALIDE
 PATTERN: TYPE III, FULL CUTOFF
 ASSY # L9PMSMH1

NOTE: THE FOOTCANDLE READINGS BELOW ARE MAINTAINED AND HAVE BEEN DEPRECIATED FOR LAMP LUMEN DEPRECIATION AND LUMINAIRE DIRT DEPRECIATION. FOR INITIAL FOOTCANDLES, DIVIDE THE READINGS BELOW BY .64.



LEGEND (OUTER to INNER) 0.100, 0.200, 0.300



APPROVED TOWN OF CARY

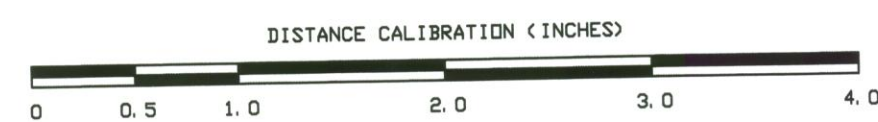
PROJECT # _____

APPROVED BY _____ DATE _____
 PLANNING _____ DATE _____
 ENGINEERING _____ DATE _____

LIGHTING DESIGN TOLERANCE

The calculated footcandle light levels in this lighting design are predicted values and are based on specific information that has been supplied to Progress Energy. Any inaccuracies in the supplied information, differences in luminaire installation, lighted area geometry including elevation differences, reflective properties of surrounding surfaces, obstructions (foliage or otherwise) in the lighted area, or lighting from sources other than listed in this design may produce different results from the predicted values. Normal tolerances of voltage, lamp output, and ballast and luminaire manufacture will also affect results.

Customer approval _____ Date _____



Progress Energy

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KOKA BOOTH VIP PARKING LOT	
CARY NC	
SITE LIGHTING PLAN	
Designed by	PGN LIGHTING SOLUTIONS - CAROLINAS
Reviewed by	R. Simpkins Scale 1' = 40'
Date	03/08/2010 Size Drawing size "D"
Description	LED & MH Post 'S' fixtures
Drawing No.	10-0027A Sht. 1 OF 1