



LEXALITE®

AN **A.L.P.** BRAND

Test Report No. 07101

Luminaire Information: A/C LINEMAN POST TOP WITH VEGA D4A LIGHT SOURCE MIDDLE RING OF MEDS LOCATED 1.25" ABOVE LASER

Lamp Information: D4A

Ballast / Driver Information: INTERNAL

Test Distance (ft): 22.25

Test Standards: IESNA-LM-79-08

Electrical Measurements: 120.090 V, 0.528 A, 62.009 W, 0.978 PF, 59.988 Hz, 12.970% ITHD, 0.120% VTHD.

RP-08-2015 Cut Off Type = Noncutoff

BUG Rating - TM15-11 2011 Type V (symmetrical) = B3 U5 G4

Type = Type V (symmetrical) ; Throw = Very Short

Total Luminous Flux (lm) = 9402.09

Luminous Efficacy (lm/W) = 151.647

Peak Luminous Intensity (candela) = 1799.9

Location of peak intensity (degrees) = 0.00 H, 62.50 V

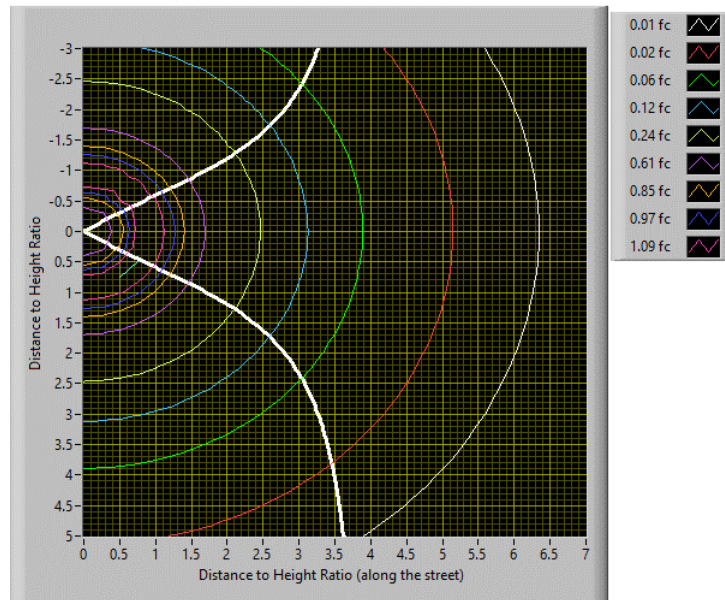
Luminous Diameter / Width (feet) = 1.33

Luminous Diameter / Length (feet) = 1.33

Luminous Height (feet) = 1.999



Mounting Height (feet) = 19.685



Prepared For: A.L.P.-LEXALITE

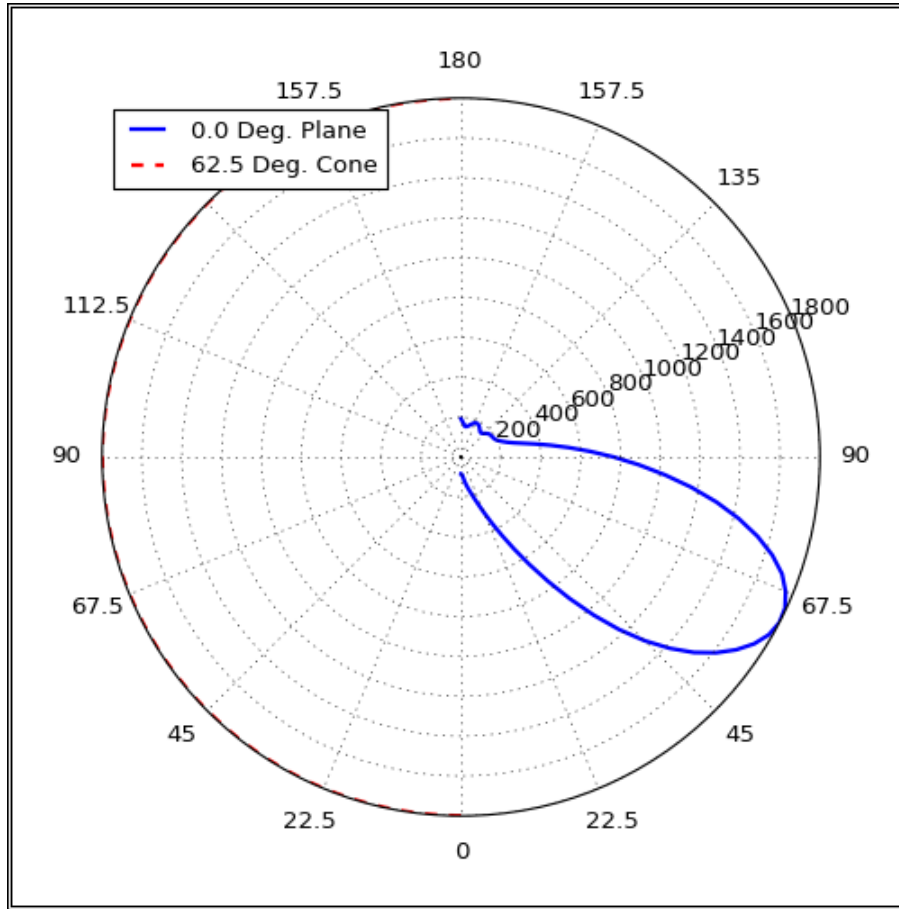
Tested by: 1860 _____

Approved by: _____ 5/5/2021

Max Cone and Plane

Horizontal Angles

0	1799.9
5	1799.9
10	1799.9
15	1799.9
20	1799.9
25	1799.9
30	1799.9
35	1799.9
40	1799.9
45	1799.9
50	1799.9
55	1799.9
60	1799.9
65	1799.9
70	1799.9
75	1799.9
80	1799.9
85	1799.9
90	1799.9
95	1799.9
100	1799.9
105	1799.9
110	1799.9
115	1799.9
120	1799.9
125	1799.9
130	1799.9
135	1799.9
140	1799.9
145	1799.9
150	1799.9
155	1799.9
160	1799.9
165	1799.9
170	1799.9
175	1799.9
180	1799.9



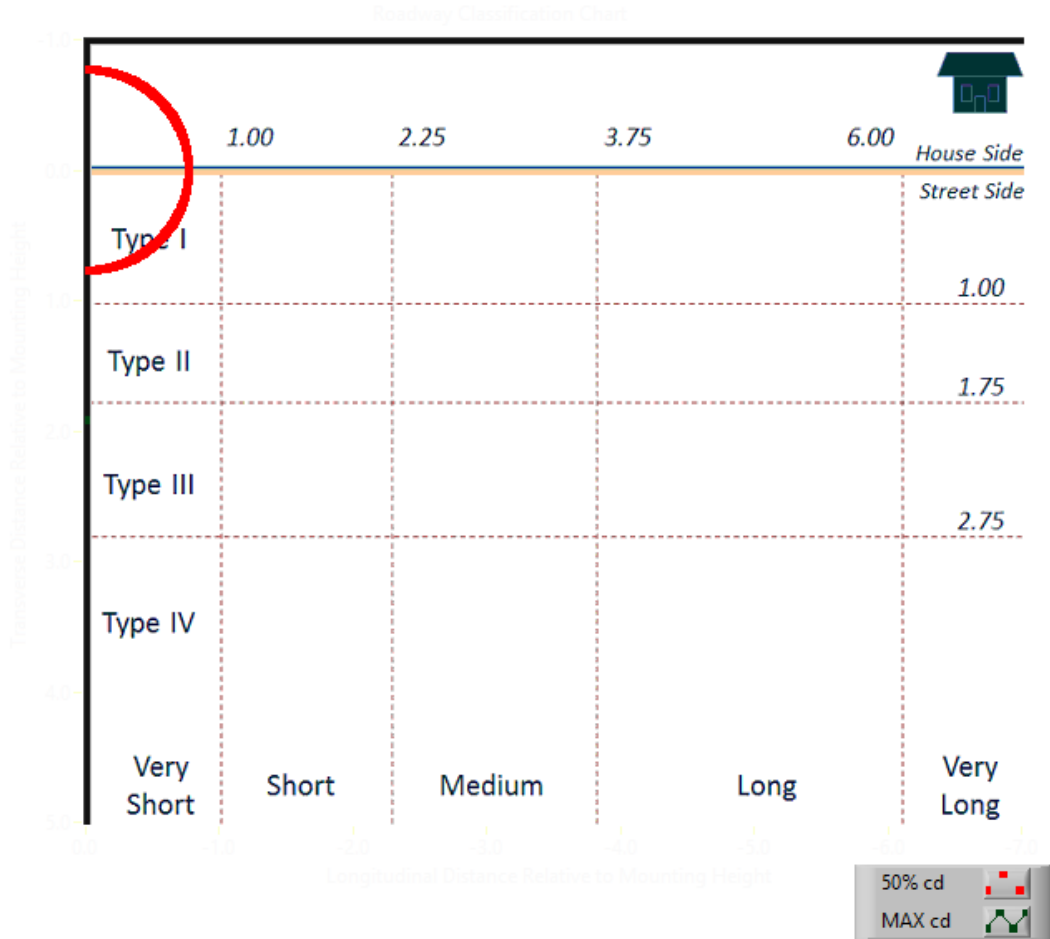
Vertical Angles

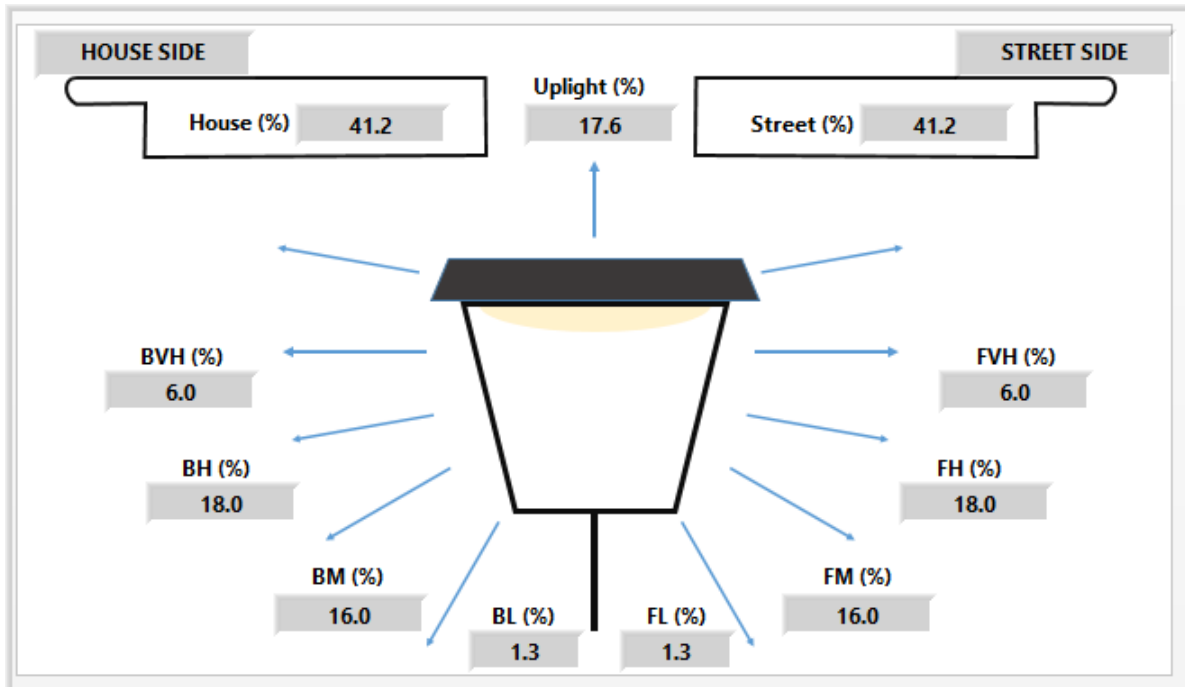
0	84.8
5	97.2
10	137.4
15	183.3
20	252.3
25	365.2
30	532.8
35	761.2
40	1035
45	1303.3
50	1525.2
55	1685.7
60	1783.1
65	1793.3
70	1713.6
75	1540.8
80	1300.9
85	1026.1
90	766
95	542.7
100	377.3
105	274.2
110	225.6
115	199
120	188.9
125	185.8
130	180.9
135	167.2
140	156.8
145	164.6
150	180.8
155	186.9
160	179.3
165	164.7
170	155.2
175	165.8
180	192.1

Max. Intensity MH Longitudinal (X) = -0

Max. Intensity MH Transverse (Y) = 1.92

Type = Type V (symmetrical) ; Throw = Very Short





Total Backward Light - House Side

Backward (lm)	3873.06
(%)	41.19
BL (0 to 30 deg)	122.15
BL (%)	1.30
BM (30 to 60 deg)	1501.80
BM (%)	15.97
BH (60 to 80 deg)	1688.06
BH (%)	17.95
BVH (80 to 90 deg)	561.06
BVH (%)	5.97

Total Forward Light - Street Side

Forward (lm)	3873.06
(%)	41.19
FL (0 to 30 deg)	122.15
FL (%)	1.30
FM (30 to 60 deg)	1501.80
FM (%)	15.97
FH (60 to 80 deg)	1688.06
FH (%)	17.95
FVH (80 to 90 deg)	561.06
FVH (%)	5.97

Total Uplight and Trapped Light

Uplight (lm)	1655.97
Uplight (%)	17.61
UL (90 to 100 deg)	604.38
UL (%)	6.43
UH (100 to 180 deg)	1051.58
UH (%)	11.18
Trapped Light (lm)	NaN
(%)	NaN



Luminous Intensity Values - Street Side (cd)

H/V	0.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	70.0	75.0	85.0
0.0	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
5.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
10.0	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4
15.0	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3
20.0	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3
25.0	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2
30.0	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8
35.0	761.2	761.2	761.2	761.2	761.2	761.2	761.2	761.2	761.2	761.2	761.2
40.0	1035.0	1035.0	1035.0	1035.0	1035.0	1035.0	1035.0	1035.0	1035.0	1035.0	1035.0
45.0	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3
50.0	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2
55.0	1685.7	1685.7	1685.7	1685.7	1685.7	1685.7	1685.7	1685.7	1685.7	1685.7	1685.7
60.0	1783.1	1783.1	1783.1	1783.1	1783.1	1783.1	1783.1	1783.1	1783.1	1783.1	1783.1
62.5	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9
65.0	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3
70.0	1713.6	1713.6	1713.6	1713.6	1713.6	1713.6	1713.6	1713.6	1713.6	1713.6	1713.6
70.5	1698.3	1698.3	1698.3	1698.3	1698.3	1698.3	1698.3	1698.3	1698.3	1698.3	1698.3
75.0	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8
80.0	1300.9	1300.9	1300.9	1300.9	1300.9	1300.9	1300.9	1300.9	1300.9	1300.9	1300.9
85.0	1026.1	1026.1	1026.1	1026.1	1026.1	1026.1	1026.1	1026.1	1026.1	1026.1	1026.1
90.0	892.4	892.4	892.4	892.4	892.4	892.4	892.4	892.4	892.4	892.4	892.4

Luminous Intensity Values - House Side (cd)

H/V	90.0	95.0	105.0	115.0	125.0	135.0	145.0	155.0	165.0	175.0	180.0
0.0	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
5.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
10.0	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4
15.0	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3
20.0	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3
25.0	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2
30.0	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8
35.0	761.2	761.2	761.2	761.2	761.2	761.2	761.2	761.2	761.2	761.2	761.2
40.0	1035.0	1035.0	1035.0	1035.0	1035.0	1035.0	1035.0	1035.0	1035.0	1035.0	1035.0
45.0	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3
50.0	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2
55.0	1685.7	1685.7	1685.7	1685.7	1685.7	1685.7	1685.7	1685.7	1685.7	1685.7	1685.7
60.0	1783.1	1783.1	1783.1	1783.1	1783.1	1783.1	1783.1	1783.1	1783.1	1783.1	1783.1
62.5	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9
65.0	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3
70.0	1713.6	1713.6	1713.6	1713.6	1713.6	1713.6	1713.6	1713.6	1713.6	1713.6	1713.6
70.5	1698.3	1698.3	1698.3	1698.3	1698.3	1698.3	1698.3	1698.3	1698.3	1698.3	1698.3
75.0	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8
80.0	1300.9	1300.9	1300.9	1300.9	1300.9	1300.9	1300.9	1300.9	1300.9	1300.9	1300.9
85.0	1026.1	1026.1	1026.1	1026.1	1026.1	1026.1	1026.1	1026.1	1026.1	1026.1	1026.1
90.0	892.4	892.4	892.4	892.4	892.4	892.4	892.4	892.4	892.4	892.4	892.4

Peak Luminous Intensity (candela) = 1799.9

Location of peak intensity (degrees) = 0.00 H, 62.50 V



Candela Distribution (cd)

H/V	0.0
0.0	84.8
2.5	85.9
5.0	97.2
7.5	116.5
10.0	137.4
12.5	159.4
15.0	183.3
17.5	213.3
20.0	252.3
22.5	302.6
25.0	365.2
27.5	441.2
30.0	532.8
32.5	639.9
35.0	761.2
37.5	894.7
40.0	1035.0
42.5	1173.8
45.0	1303.3
47.5	1420.4
50.0	1525.2
52.5	1612.7
55.0	1685.7
57.5	1743.7
60.0	1783.1
62.5	1799.9
65.0	1793.3
67.5	1762.3
70.0	1713.6
72.5	1637.3
75.0	1540.8
77.5	1426.8
80.0	1300.9
82.5	1166.0
85.0	1026.1
87.5	892.4
90.0	766.0
92.5	647.5
95.0	542.7
97.5	452.3
100.0	377.3
102.5	317.7
105.0	274.2
107.5	245.3
110.0	225.6



H/V 0.0
112.5 210.22
115.0 198.99
117.5 192.34
120.0 188.94
122.5 186.85
125.0 185.78
127.5 184.25
130.0 180.89
132.5 174.43
135.0 167.16
137.5 160.54
140.0 156.82
142.5 158.39
145.0 164.63
147.5 172.98
150.0 180.79
152.5 185.85
155.0 186.86
157.5 184.60
160.0 179.31
162.5 171.76
165.0 164.66
167.5 158.72
170.0 155.18
172.5 154.83
175.0 165.84
177.5 177.26
180.0 192.11