

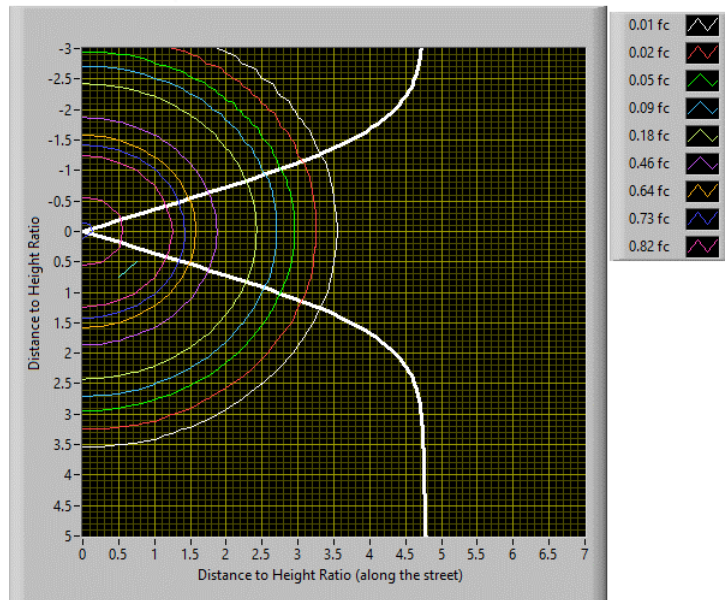
Test Report No. 07257

Luminaire Information: Type V Silicone Optic with Vero 40E4000D7 LED, 29 Volts at 1.05 Amps, 30.45 Watts
 Lamp Information: Vero 40E4000D7 LED
 Ballast / Driver Information: California Instruments Power Supply
 Test Distance (ft): 22.25
 Test Standards: IESNA LM-79-19
 Electrical Measurements: 0.000 V, 0.000 A, 0.000 W, 0.000 PF, 0.000 Hz, 0.000% ITHD, 0.000% VTHD.

RP-08-2015 Cut Off Type = Cutoff
 BUG Rating - TM15-11 2011 Type V (symmetrical) = B2 U2 G1
 Type = Type V (symmetrical) ; Throw = Very Short
 Total Luminous Flux (lm) = 4592.59
 Luminous Efficacy (lm/W) = 150.82
 Peak Luminous Intensity (candela) = 1672.63
 Location of peak intensity (degrees) = 0.00 H, 61.00 V
 Luminous Diameter / Width (feet) = 0.24
 Luminous Diameter / Length (feet) = 0.24
 Luminous Height (feet) = 0.09



Mounting Height (feet) = 19.685



Prepared For: Joel Robinson

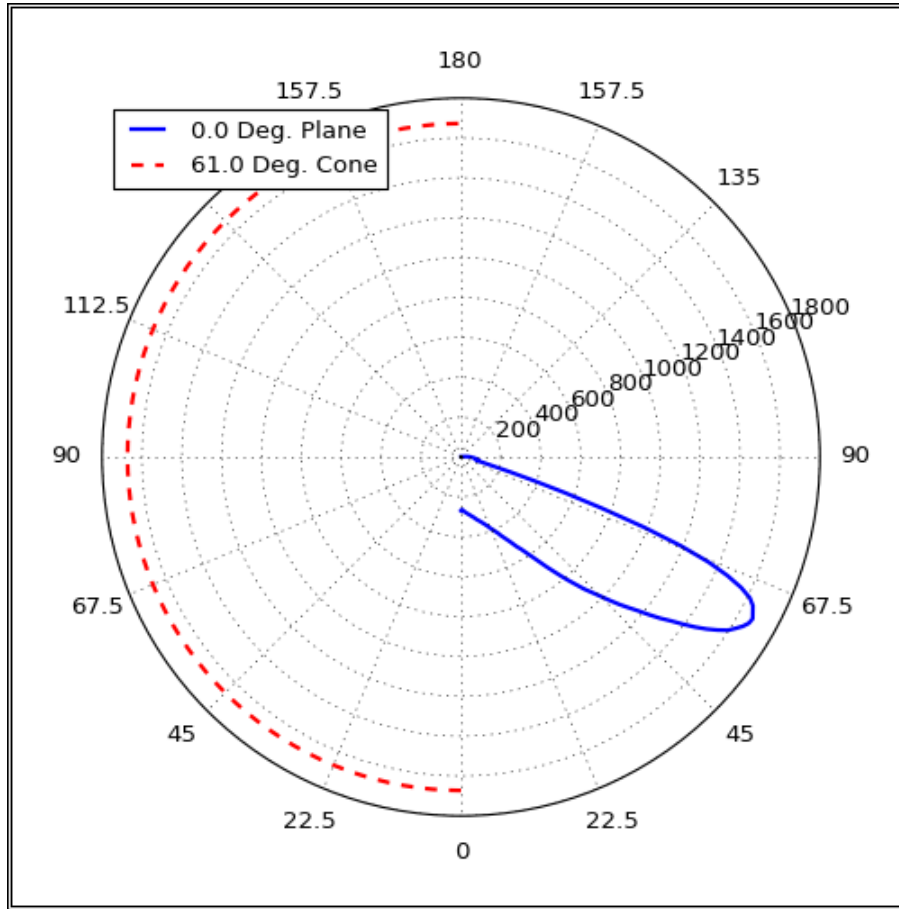
Tested by: JRF _____

Approved by: _____ 5/19/2023

Max Cone and Plane

Horizontal Angles

0	1672.6
5	1672.6
10	1672.6
15	1672.6
20	1672.6
25	1672.6
30	1672.6
35	1672.6
40	1672.6
45	1672.6
50	1672.6
55	1672.6
60	1672.6
65	1672.6
70	1672.6
75	1672.6
80	1672.6
85	1672.6
90	1672.6
95	1672.6
100	1672.6
105	1672.6
110	1672.6
115	1672.6
120	1672.6
125	1672.6
130	1672.6
135	1672.6
140	1672.6
145	1672.6
150	1672.6
155	1672.6
160	1672.6
165	1672.6
170	1672.6
175	1672.6
180	1672.6

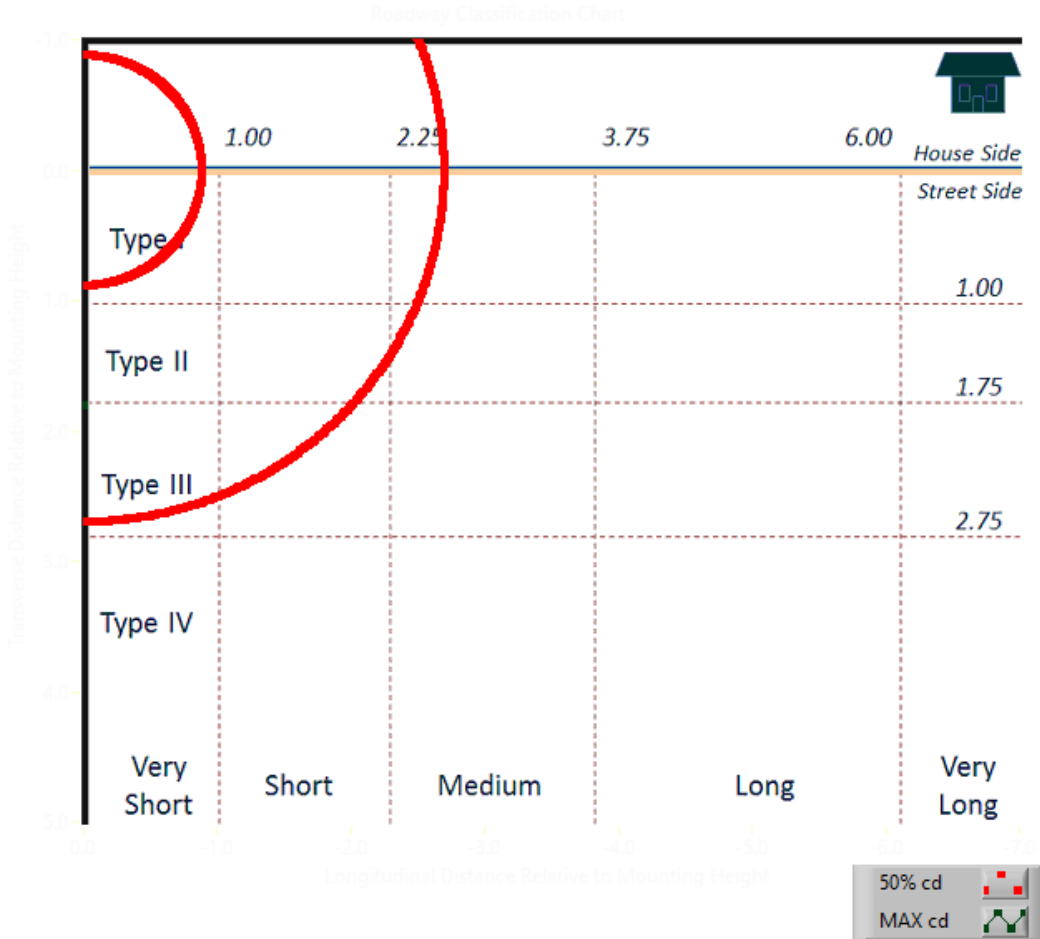


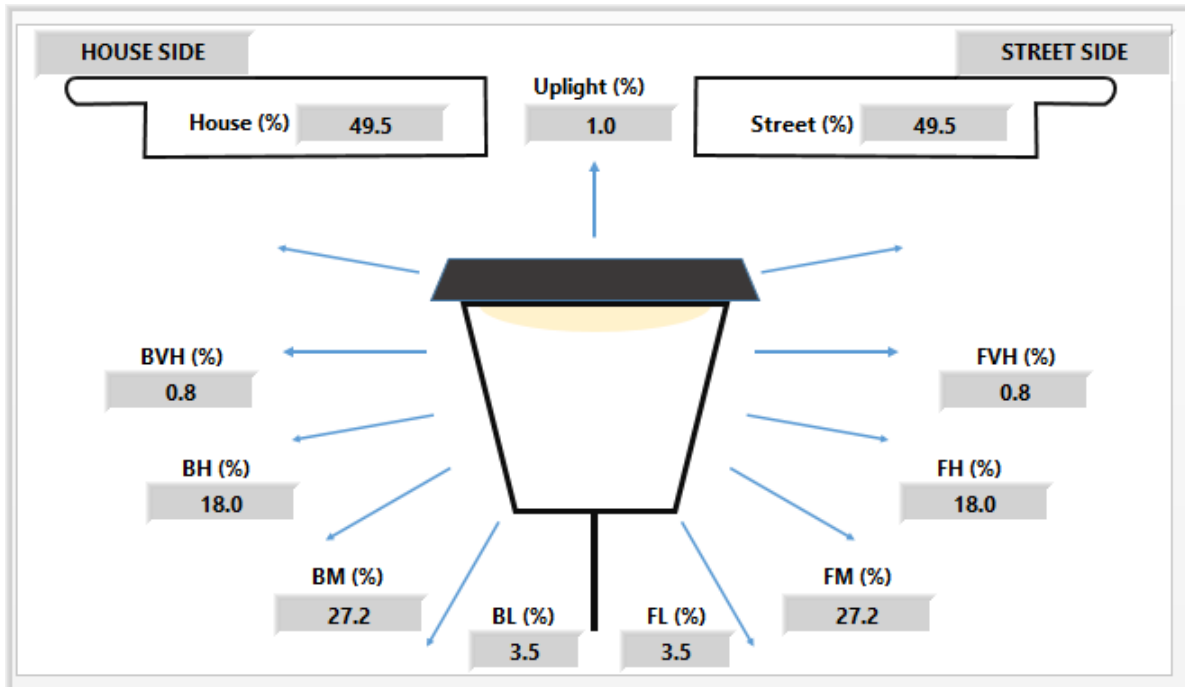
Vertical Angles

0	269.1
5	280.6
10	301.3
15	327.4
20	362.1
25	413.8
30	489.5
35	600.8
40	778.2
45	986.5
50	1230.1
55	1504.3
60	1667.2
65	1551
70	754.5
75	136.1
80	82.1
85	65.9
90	49.2
95	27.8
100	12.2
105	5.2
110	2.5
115	2.1
120	2.2
125	2.2
130	2.3
135	2.2
140	2
145	1.9
150	1.8
155	1.7
160	1.6
165	1.5
170	1.5
175	1.4
180	1.4

Vertical Angle of Max Cone (degrees) = 61
 Horiz. Angle of Maximum Plane(degrees) = 0
 Peak Luminous Intensity (candela) = 1672.627

Max. Intensity MH Longitudinal (X) = -0
 Max. Intensity MH Transverse (Y) = 1.8
 Type = Type V (symmetrical) ; Throw = Very Short





Total Backward Light - House Side

Backward (lm)	2273.10
(%)	49.50
BL (0 to 30 deg)	158.53
BL (%)	3.45
BM (30 to 60 deg)	1249.57
BM (%)	27.21
BH (60 to 80 deg)	828.12
BH (%)	18.03
BVH (80 to 90 deg)	36.89
BVH (%)	0.80

Total Forward Light - Street Side

Forward (lm)	2273.10
(%)	49.50
FL (0 to 30 deg)	158.53
FL (%)	3.45
FM (30 to 60 deg)	1249.57
FM (%)	27.21
FH (60 to 80 deg)	828.12
FH (%)	18.03
FVH (80 to 90 deg)	36.89
FVH (%)	0.80

Total Uplight and Trapped Light

Uplight (lm)	46.38
Uplight (%)	1.01
UL (90 to 100 deg)	31.70
UL (%)	0.69
UH (100 to 180 deg)	14.68
UH (%)	0.32
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	269.1	269.1	269.1	269.1	269.1	269.1	269.1	269.1	269.1	269.1	269.1
5.0	280.6	280.6	280.6	280.6	280.6	280.6	280.6	280.6	280.6	280.6	280.6
10.0	301.3	301.3	301.3	301.3	301.3	301.3	301.3	301.3	301.3	301.3	301.3
15.0	327.4	327.4	327.4	327.4	327.4	327.4	327.4	327.4	327.4	327.4	327.4
20.0	362.1	362.1	362.1	362.1	362.1	362.1	362.1	362.1	362.1	362.1	362.1
25.0	413.8	413.8	413.8	413.8	413.8	413.8	413.8	413.8	413.8	413.8	413.8
30.0	489.5	489.5	489.5	489.5	489.5	489.5	489.5	489.5	489.5	489.5	489.5
35.0	600.8	600.8	600.8	600.8	600.8	600.8	600.8	600.8	600.8	600.8	600.8
40.0	778.2	778.2	778.2	778.2	778.2	778.2	778.2	778.2	778.2	778.2	778.2
45.0	986.5	986.5	986.5	986.5	986.5	986.5	986.5	986.5	986.5	986.5	986.5
50.0	1230.1	1230.1	1230.1	1230.1	1230.1	1230.1	1230.1	1230.1	1230.1	1230.1	1230.1
55.0	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3
60.0	1667.2	1667.2	1667.2	1667.2	1667.2	1667.2	1667.2	1667.2	1667.2	1667.2	1667.2
61.0	1672.6	1672.6	1672.6	1672.6	1672.6	1672.6	1672.6	1672.6	1672.6	1672.6	1672.6
65.0	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0
70.0	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
70.5	653.9	653.9	653.9	653.9	653.9	653.9	653.9	653.9	653.9	653.9	653.9
75.0	136.1	136.1	136.1	136.1	136.1	136.1	136.1	136.1	136.1	136.1	136.1
80.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
85.0	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
90.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0

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	269.1	269.1	269.1	269.1	269.1	269.1	269.1	269.1	269.1	269.1	269.1
5.0	280.6	280.6	280.6	280.6	280.6	280.6	280.6	280.6	280.6	280.6	280.6
10.0	301.3	301.3	301.3	301.3	301.3	301.3	301.3	301.3	301.3	301.3	301.3
15.0	327.4	327.4	327.4	327.4	327.4	327.4	327.4	327.4	327.4	327.4	327.4
20.0	362.1	362.1	362.1	362.1	362.1	362.1	362.1	362.1	362.1	362.1	362.1
25.0	413.8	413.8	413.8	413.8	413.8	413.8	413.8	413.8	413.8	413.8	413.8
30.0	489.5	489.5	489.5	489.5	489.5	489.5	489.5	489.5	489.5	489.5	489.5
35.0	600.8	600.8	600.8	600.8	600.8	600.8	600.8	600.8	600.8	600.8	600.8
40.0	778.2	778.2	778.2	778.2	778.2	778.2	778.2	778.2	778.2	778.2	778.2
45.0	986.5	986.5	986.5	986.5	986.5	986.5	986.5	986.5	986.5	986.5	986.5
50.0	1230.1	1230.1	1230.1	1230.1	1230.1	1230.1	1230.1	1230.1	1230.1	1230.1	1230.1
55.0	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3
60.0	1667.2	1667.2	1667.2	1667.2	1667.2	1667.2	1667.2	1667.2	1667.2	1667.2	1667.2
61.0	1672.6	1672.6	1672.6	1672.6	1672.6	1672.6	1672.6	1672.6	1672.6	1672.6	1672.6
65.0	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0
70.0	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
70.5	653.9	653.9	653.9	653.9	653.9	653.9	653.9	653.9	653.9	653.9	653.9
75.0	136.1	136.1	136.1	136.1	136.1	136.1	136.1	136.1	136.1	136.1	136.1
80.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
85.0	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
90.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0

Peak Luminous Intensity (candela) = 1672.63

Location of peak intensity (degrees) = 0.00 H, 61.00 V



Candela Distribution (cd)

H/V	0.0
0.0	269.12
1.0	263.18
2.0	268.25
3.0	272.28
4.0	276.37
5.0	280.56
6.0	284.21
7.0	287.71
8.0	291.08
9.0	295.95
10.0	301.32
11.0	305.64
12.0	309.75
13.0	316.33
14.0	322.76
15.0	327.45
16.0	333.52
17.0	339.67
18.0	347.53
19.0	354.23
20.0	362.14
21.0	370.97
22.0	382.17
23.0	391.76
24.0	401.63
25.0	413.83
26.0	426.08
27.0	442.79
28.0	456.93
29.0	470.80
30.0	489.47
31.0	509.26
32.0	531.75
33.0	549.66
34.0	573.59
35.0	600.76
36.0	630.08
37.0	664.48
38.0	701.09
39.0	737.83
40.0	778.19
41.0	819.18
42.0	859.64
43.0	905.16
44.0	942.73



H/V	0.0
45.0	986.5
46.0	1034.2
47.0	1082.9
48.0	1128.5
49.0	1175.0
50.0	1230.1
51.0	1285.1
52.0	1334.7
53.0	1393.4
54.0	1451.2
55.0	1504.3
56.0	1552.1
57.0	1595.7
58.0	1622.7
59.0	1648.9
60.0	1667.2
61.0	1672.6
62.0	1657.6
63.0	1643.1
64.0	1611.7
65.0	1551.0
66.0	1462.8
67.0	1348.5
68.0	1189.3
69.0	983.1
70.0	754.5
71.0	553.2
72.0	384.3
73.0	263.2
74.0	185.7
75.0	136.1
76.0	106.2
77.0	86.7
78.0	77.0
79.0	77.3
80.0	82.1
81.0	85.7
82.0	83.8
83.0	76.1
84.0	68.8
85.0	65.9
86.0	63.9
87.0	59.7
88.0	55.2
89.0	52.0

H/V	0.0
90.0	49.16
91.0	44.75
92.0	40.48
93.0	36.03
94.0	31.68
95.0	27.78
96.0	24.49
97.0	21.22
98.0	18.05
99.0	14.93
100.0	12.23
101.0	10.03
102.0	8.39
103.0	7.16
104.0	6.13
105.0	5.24
106.0	4.44
107.0	3.81
108.0	3.29
109.0	2.85
110.0	2.53
111.0	2.29
112.0	2.16
113.0	2.11
114.0	2.12
115.0	2.14
116.0	2.15
117.0	2.17
118.0	2.19
119.0	2.20
120.0	2.20
121.0	2.21
122.0	2.23
123.0	2.23
124.0	2.23
125.0	2.24
126.0	2.25
127.0	2.28
128.0	2.28
129.0	2.27
130.0	2.25
131.0	2.26
132.0	2.25
133.0	2.24
134.0	2.22



H/V	0.0
135.0	2.20
136.0	2.17
137.0	2.14
138.0	2.10
139.0	2.06
140.0	2.02
141.0	1.98
142.0	1.96
143.0	1.93
144.0	1.90
145.0	1.87
146.0	1.85
147.0	1.83
148.0	1.81
149.0	1.79
150.0	1.78
151.0	1.76
152.0	1.74
153.0	1.73
154.0	1.72
155.0	1.69
156.0	1.67
157.0	1.65
158.0	1.64
159.0	1.62
160.0	1.61
161.0	1.58
162.0	1.58
163.0	1.56
164.0	1.54
165.0	1.54
166.0	1.53
167.0	1.51
168.0	1.51
169.0	1.51
170.0	1.51
171.0	1.50
172.0	1.48
173.0	1.47
174.0	1.46
175.0	1.45
176.0	1.45
177.0	1.44
178.0	1.43
179.0	1.43



H/V 0.0
180.0 1.43