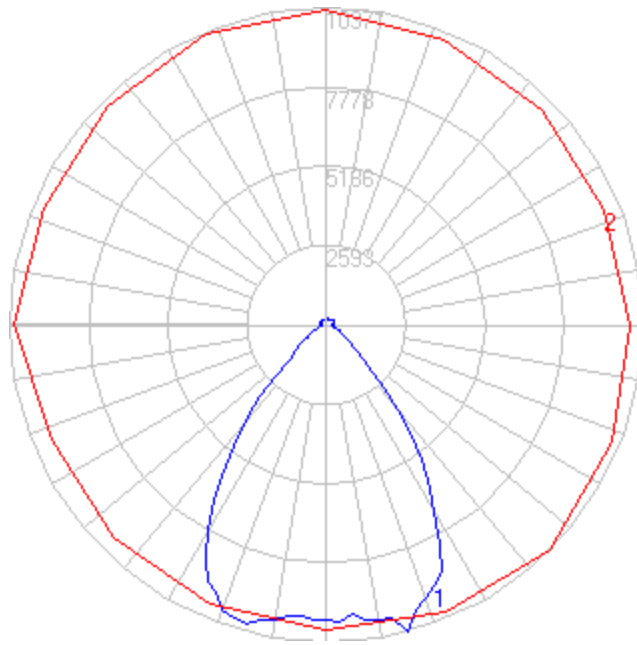




10163 US HWY 31 North, Charlevoix, MI 49720 231-547-6584

Test Report Number	05711
Date of Test	7/29/2016
Manufacturer	C.M.E.
Catalog Number	N.A.
Test Item	C.M.E. LED POD WITH CLEAR DOME LENS AND AC-LG 816 REFLEXOR AND AC-LG 16" C.D.L.
Lamp	CREE LED BOARD OF 68 LEDS
Operating Orientation	PENDENT
Driver Type	INVENTRONICS EUD-200S070DT
Test Time	30 MINUTES
Ambient Temperature (C)	25.3
Stabilization Time	CONTINUOUS
Power Factor	.997
Power (W)	157.0
Voltage(V)	120.02
Current(A)	1.3124
Notes	DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (120Vac, 60Hz)
Luminous Flux	16260.36
Luminous Efficacy	103.57
Test Distance	22.25 FEET
Test Equipment	GONIOPHOTOMETER
LAB Test Method Reference	IESNA LM-79-08
Technician	CG
Spacing Criterion(0-180)	1.18
Spacing Criterion(90-270)	1.18
Spacing Criterion(diagonal)	1.10
Sample Width(mm)	
Sample Height/Depth(mm)	
Luminous Diameter/Length(mm)	
Luminous Width(mm)	
Luminous Height/Depth(mm)	



**Coefficients Of Utilization - Zonal Cavity Method**

Effective Floor Cavity Reflectance 0.20

RC	80				70				50				30				10				0
	RW70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
0	117	117	117	117	113	113	113	113	107	107	107	100	100	100	94	94	94	92			
1	110	106	103	100	106	103	100	97	97	95	93	92	90	89	87	86	85	82			
2	102	96	91	87	99	94	89	85	89	85	82	85	82	79	81	78	76	74			
3	96	88	81	77	93	86	80	75	82	77	73	78	74	71	75	71	69	67			
4	90	80	73	68	87	79	72	67	75	70	66	72	68	64	69	65	62	60			
5	84	74	67	61	81	72	66	61	69	64	59	67	62	58	64	60	57	55			
6	79	68	61	56	76	67	60	55	64	58	54	62	57	53	60	55	52	50			
7	74	63	56	51	72	62	55	50	60	54	50	58	53	49	56	51	48	46			
8	70	58	51	47	68	57	51	46	56	50	46	54	49	45	52	48	44	42			
9	66	54	48	43	64	54	47	43	52	46	42	50	45	41	49	44	41	39			
10	62	51	44	40	60	50	44	39	49	43	39	47	42	38	46	41	38	36			

**Zonal Lumen Summary**

	Summary Zonal Lumens	Zonal Lumens-% Lamp	Zonal Lumens-% Fixture
0-30	7899.13		48.58%
0-40	11462.17		70.49%
0-60	13906.82		85.53%
0-90	14880.29		91.51%
90-110	465.35		2.86%
90-130	914.67		5.63%
90-150	1232.65		7.58%
90-180	1380.07		8.49%

	Zonal Lumens		Zonal Lumens
0-10	906.49	170-180	15.70
10-20	2843.30	160-170	55.47
20-30	4149.34	150-160	76.25
30-40	3563.04	140-150	109.66
40-50	1653.55	130-140	208.32
50-60	791.10	120-130	208.32
60-70	463.89	110-120	241.00
70-80	280.35	100-110	239.13
80-90	229.23	90-100	226.22

## Candela Table

	0.00	22.50	45.00	67.50	90.00	112.50	135.00	157.50	180.00	202.50	225.00	247.50	270.00	292.50	315.00	337.50	360.00
0.00	9637.1	9637.1	9637.1	9637.1	9637.1	9637.1	9637.1	9637.1	9637.1	9637.1	9637.1	9637.1	9637.1	9637.1	9637.1	9637.1	9637.1
2.50	9636.7	9626.6	9508.3	9578.2	9550.7	9578.0	9667.2	9409.2	9774.4	9649.9	9684.2	9723.8	9568.5	9672.2	9745.1	9592.1	9636.7
5.00	9542.6	9415.2	9423.1	9406.0	9564.6	9439.2	9584.4	9496.7	9719.7	9690.8	9634.9	9559.5	9602.1	9595.2	9492.0	9505.9	9542.6
7.50	9576.9	9408.8	9498.5	9440.7	9619.8	9612.7	9634.8	9736.2	9805.9	9648.8	9675.2	9710.0	9709.2	9671.0	9702.2	9607.8	9576.9
10.00	9743.2	9599.2	9528.7	9665.7	9828.2	9823.6	9806.1	9983.9	9776.0	9842.2	9838.0	9750.7	9913.3	9630.4	9803.7	9793.4	9743.2
12.50	9637.7	9796.5	9613.1	9726.1	9899.8	10144.2	9880.8	9895.0	10036.2	9986.1	10199.8	10040.1	10005.3	9810.5	9828.6	9763.3	9637.7
15.00	9964.7	9835.0	9970.4	10084.6	10289.8	10298.3	10098.6	10027.9	10235.4	9762.8	9828.0	9902.0	9951.5	10132.1	10371.1	10082.1	9964.7
17.50	9973.1	9823.0	9783.5	10039.8	10174.8	9953.2	10016.8	9694.1	9892.6	9979.7	9666.4	9655.5	9730.9	9764.2	9802.7	9756.3	9973.1
20.00	9522.9	9636.1	9903.2	9815.1	9921.4	10007.0	9944.3	9797.9	9424.0	9542.1	9463.1	9385.9	9343.0	9424.5	9472.2	9215.5	9522.9
22.50	9458.9	9534.3	9471.0	9789.7	9759.9	9865.8	9467.1	9345.9	9145.3	8976.0	9136.0	9359.0	9168.5	9171.1	9266.7	9390.7	9458.9
25.00	8902.5	9166.0	9180.7	9424.2	9480.8	9603.9	9268.8	8916.4	8617.9	8725.6	8935.7	8567.8	8504.3	8666.0	8940.8	8547.8	8902.5
27.50	7955.6	8325.1	8613.9	8748.6	9144.4	8873.1	8606.5	8290.8	7988.9	7850.3	7507.1	7824.2	7870.4	7948.1	8097.6	7906.1	7955.6
30.00	7792.1	7784.0	7848.2	7389.3	7471.4	7559.3	7780.3	7505.4	7148.7	7305.9	6924.7	7013.9	7082.6	7123.2	7067.7	7032.6	7792.1
32.50	6437.5	6626.2	6851.3	6843.2	6922.0	7084.5	6813.5	6817.8	6629.4	6303.8	6349.6	6221.0	6152.3	6182.6	6328.9	6380.2	6437.5
35.00	5780.6	5932.5	6014.2	5939.2	5979.3	6101.2	6001.7	5909.2	5497.1	5359.1	5383.5	5293.4	5309.7	5370.6	5419.1	5380.8	5780.6
37.50	4831.7	5039.7	5067.4	5000.5	5044.5	5160.8	5009.1	4897.5	4565.6	4473.7	4429.1	4552.2	4426.7	4376.4	4578.3	4483.5	4831.7
40.00	3924.7	4066.5	4123.2	4095.8	4096.1	4157.9	4071.8	3964.7	3703.5	3626.0	3510.6	3662.8	3570.3	3477.7	3609.7	3570.7	3924.7
42.50	3088.8	3261.0	3242.5	3135.9	3112.9	3243.4	3194.8	3115.1	2920.0	2921.3	2776.1	2745.7	2776.2	2733.5	2826.8	2806.1	3088.8
45.00	2212.0	2369.5	2410.1	2333.2	2334.4	2403.0	2373.2	2241.6	2031.6	2044.7	1896.7	1906.1	1905.7	1842.5	1875.5	1926.4	2212.0
47.50	1529.7	1604.6	1601.5	1635.5	1630.3	1673.9	1669.2	1591.0	1521.3	1521.3	1419.0	1406.4	1389.1	1370.0	1355.9	1404.2	1529.7
50.00	1263.3	1300.7	1281.3	1299.5	1269.0	1282.1	1293.3	1265.8	1240.7	1246.8	1162.6	1155.2	1150.0	1140.8	1136.4	1185.4	1263.3
52.50	1068.9	1091.5	1072.3	1092.1	1065.5	1077.1	1068.5	1050.0	1028.9	1025.2	967.4	963.8	966.6	962.2	959.1	1003.6	1068.9
55.00	919.6	929.0	907.5	929.7	916.0	924.3	898.6	887.8	879.6	869.4	827.9	831.1	830.4	832.3	826.6	863.6	919.6
57.50	790.3	795.9	772.6	796.9	787.7	790.9	762.3	756.8	747.3	736.3	702.4	713.4	708.3	717.3	707.8	746.6	790.3
60.00	670.9	675.1	653.9	673.7	666.6	670.0	644.9	639.4	639.8	624.6	598.5	616.4	607.0	623.7	609.7	641.6	670.9
62.50	569.6	578.3	556.2	565.8	556.2	557.8	543.9	541.8	550.8	538.0	518.1	539.7	525.8	537.3	525.8	547.5	569.6
65.00	486.3	493.8	472.5	474.0	455.9	454.8	454.7	459.7	469.9	461.6	451.0	478.1	460.9	462.0	451.8	468.5	486.3
67.50	423.2	424.9	405.5	402.7	382.1	378.2	385.0	396.3	404.9	407.9	402.8	427.1	407.9	397.8	392.6	410.0	423.2
70.00	374.9	370.5	356.5	350.2	333.1	323.0	332.8	346.9	356.2	364.4	361.8	380.6	359.4	344.1	346.9	358.7	374.9
72.50	327.2	327.1	313.6	307.3	288.0	276.1	290.4	306.4	311.0	319.9	322.9	334.7	310.7	294.1	302.9	312.4	327.2
75.00	282.5	283.2	271.3	265.1	244.6	236.2	251.6	269.6	267.9	273.7	268.8	275.5	259.4	249.1	254.6	269.0	282.5
77.50	235.5	234.4	225.1	215.7	201.9	199.4	210.2	222.5	222.7	227.1	223.4	228.9	217.4	215.9	217.5	230.3	235.5
80.00	211.7	209.6	197.5	186.9	172.5	175.1	186.0	196.0	200.2	208.0	210.1	214.4	203.2	201.6	202.8	211.9	211.7
82.50	203.5	198.8	187.0	177.2	159.2	161.8	174.3	188.1	197.1	210.5	217.7	222.8	208.7	205.8	207.4	213.5	203.5
85.00	226.8	206.7	189.4	177.4	163.6	166.4	181.0	198.2	206.8	222.0	233.0	235.5	218.5	225.8	239.5	254.4	226.8
87.50	224.6	218.4	199.9	177.2	166.8	171.0	200.4	216.8	225.0	232.9	234.7	226.4	215.1	220.9	223.7	226.8	224.6
90.00	199.0	209.4	204.4	180.5	160.7	163.7	191.2	221.1	219.8	224.6	212.3	208.9	205.5	202.0	195.0	198.0	199.0
92.50	209.3	202.5	191.8	177.9	164.0	162.7	173.7	194.7	202.9	214.1	210.4	210.0	204.2	204.3	202.2	211.0	209.3
95.00	226.9	222.8	207.9	189.2	169.2	168.1	181.0	195.7	210.7	227.2	224.5	217.0	212.9	211.2	212.5	221.3	226.9
97.50	231.6	236.2	221.6	200.0	180.7	180.4	190.7	209.1	224.0	240.2	236.0	219.7	215.4	213.1	218.5	226.1	231.6
100.00	218.2	224.2	223.5	202.6	185.8	185.6	194.0	205.4	214.3	226.8	228.4	219.1	218.7	215.6	221.6	225.8	218.2
102.50	225.2	218.3	221.4	206.1	192.2	192.6	200.2	209.4	218.9	223.9	225.8	225.4	226.5	223.1	227.4	230.4	225.2
105.00	236.0	227.0	225.1	213.8	201.2	202.1	207.7	217.3	232.1	234.0	233.0	234.7	237.4	232.2	235.4	237.4	236.0
107.50	252.5	241.5	232.2	220.6	210.1	210.6	215.0	224.1	243.1	250.3	245.3	247.0	251.5	243.9	246.7	247.1	252.5
110.00	253.8	247.4	240.9	231.7	219.8	219.7	224.3	232.3	247.0	256.5	256.4	257.8	261.2	253.0	256.4	257.1	253.8
112.50	251.2	244.7	246.2	237.7	224.9	223.9	229.1	237.7	247.2	255.6	258.6	260.7	262.4	255.6	261.7	261.1	251.2
115.00	246.6	238.3	241.1	236.1	224.0	222.8	227.6	231.4	241.3	248.8	252.6	254.4	253.9	250.7	255.3	254.4	246.6

