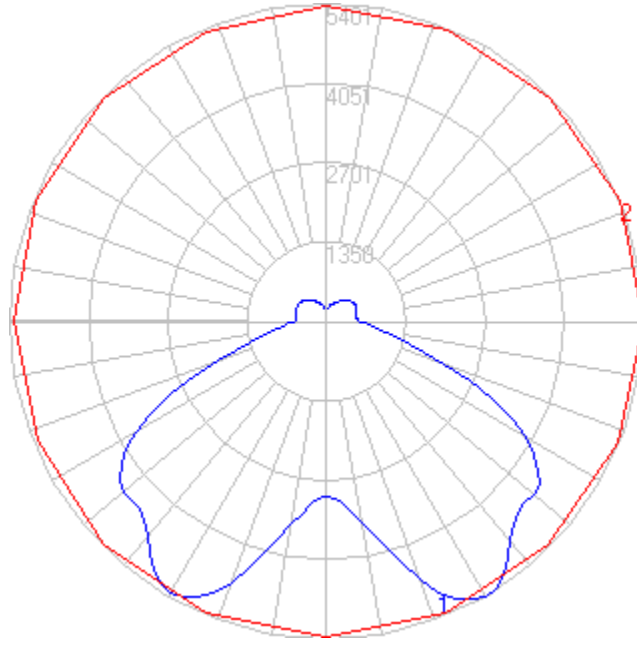


LEXALITE®

an A.L.P. Lighting Brand

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

Test Report Number	06068
Date of Test	6/1/2017
Manufacturer	A.L.P.-LEXALITE
Catalog Number	BT-HL200W
Test Item	BETOP LED POD WITH 350 LEDS IN A CIRCULAR PATTERN WITH FLAT CLEAR LENS, MOONGLOW S16, AND MOONGLOW WIDEBAY LENS
Lamp	HL200W-350L
Operating Orientation	PENDENT
Driver Type	INTERNAL
Test Time	60 MINUTES
Ambient Temperature (C)	25.3
Stabilization Time	37 MINUTES
Power Factor	.992
Power (W)	197.98
Voltage(V)	120.02
Current(A)	1.6632
Notes	DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (120Vac, 60Hz)
Luminous Flux	23011.46
Luminous Efficacy	116.23
Test Distance	22.25 FEET
Test Equipment	GONIOPHOTOMETER
LAB Test Method Reference	IESNA LM-79-08
Technician	CG
Spacing Criterion(0-180)	2.12
Spacing Criterion(90-270)	2.12
Spacing Criterion(diagonal)	2.10
Sample Width(mm)	
Sample Height/Depth(mm)	
Luminous Diameter/Length(mm)	
Luminous Width(mm)	
Luminous Height/Depth(mm)	



Coefficient of Utilization

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	116	116	116	116	112	112	112	112	104	104	104	96	96	96	90	90	90	86				
1	104	99	94	90	100	95	91	87	89	85	82	82	80	77	77	75	73	69				
2	94	85	78	72	90	82	75	70	76	71	66	71	66	63	66	62	59	56				
3	85	74	65	58	81	71	63	57	66	60	54	62	56	51	57	53	49	46				
4	77	65	55	48	74	62	54	47	58	51	45	54	48	43	50	45	41	38				
5	70	57	47	41	67	55	46	40	51	44	38	48	41	36	45	39	35	32				
6	65	51	41	35	62	49	40	34	46	38	33	43	36	31	40	34	30	27				
7	59	45	36	30	57	44	35	29	41	34	28	38	32	27	36	30	26	24				
8	55	41	32	26	53	40	31	26	37	30	25	35	28	24	33	27	23	21				
9	51	37	29	23	49	36	28	23	34	27	22	32	26	21	30	24	20	18				
10	48	34	26	21	46	33	25	20	31	24	19	29	23	19	28	22	18	16				

Zonal Lumen Summary

	Summary Zonal Lumens	Zonal Lumens-% Lamp	Zonal Lumens-% Fixture
0-30	3833.00		16.66%
0-40	7105.35		30.88%
0-60	14498.73		63.01%
0-90	19798.92		86.04%
90-110	1125.07		4.89%
90-130	2173.51		9.45%
90-150	2945.19		12.80%
90-180	3212.54		13.96%

	Zonal Lumens		Zonal Lumens
0-10	297.12	170-180	21.63
10-20	1137.55	160-170	81.57
20-30	2398.33	150-160	164.15
30-40	3272.35	140-150	273.67
40-50	3522.68	130-140	498.01
50-60	3870.70	120-130	498.01
60-70	3022.88	110-120	550.43
70-80	1487.11	100-110	555.15
80-90	790.20	90-100	569.92

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	2979.5	2979.5	2979.5	2979.5	2979.5	2979.5	2979.5	2979.5	2979.5	2979.5	2979.5	2979.5	2979.5	2979.5	2979.5	2979.5	2979.5
2.50	3012.5	3007.7	3002.5	2996.7	2992.9	2991.2	2990.2	2991.5	3018.6	3027.8	3034.1	3040.3	3046.2	3048.1	3051.6	3046.4	3012.5
5.00	3118.3	3110.3	3098.8	3089.6	3080.0	3078.2	3072.7	3077.1	3131.7	3145.0	3156.3	3168.1	3177.3	3179.9	3185.4	3181.2	3118.3
7.50	3281.0	3267.9	3254.4	3241.8	3228.1	3223.6	3216.3	3221.1	3296.8	3318.3	3330.4	3347.1	3355.4	3364.9	3372.2	3368.4	3281.0
10.00	3486.5	3470.6	3458.1	3439.0	3421.3	3413.2	3407.9	3411.3	3503.4	3527.4	3544.9	3562.3	3575.9	3587.2	3597.2	3590.7	3486.5
12.50	3730.7	3714.2	3698.3	3676.0	3655.6	3642.9	3639.8	3638.4	3745.1	3775.0	3789.5	3816.8	3833.8	3841.7	3855.2	3846.9	3730.7
15.00	4005.9	3990.9	3972.2	3945.9	3917.9	3910.7	3899.9	3907.6	4022.3	4051.2	4073.8	4104.3	4125.4	4126.2	4138.7	4134.6	4005.9
17.50	4318.0	4304.4	4284.5	4260.3	4225.8	4214.9	4201.9	4216.3	4346.6	4389.4	4410.2	4450.8	4464.6	4467.9	4474.8	4468.1	4318.0
20.00	4672.7	4666.7	4652.5	4626.8	4589.5	4566.8	4562.8	4570.8	4706.0	4744.1	4762.8	4793.1	4809.4	4814.0	4814.2	4802.3	4672.7
22.50	4973.5	4984.0	4966.5	4946.8	4919.5	4894.0	4898.6	4891.0	4978.7	5010.2	5026.0	5047.5	5058.4	5057.1	5062.9	5053.6	4973.5
25.00	5188.3	5197.2	5171.6	5154.4	5131.7	5117.4	5122.4	5120.0	5169.3	5187.2	5198.3	5220.8	5222.5	5221.7	5220.5	5228.2	5188.3
27.50	5330.5	5335.6	5308.4	5289.3	5269.7	5263.5	5265.1	5278.3	5292.4	5297.6	5315.1	5333.9	5328.1	5316.4	5318.8	5332.5	5330.5
30.00	5396.4	5401.2	5381.9	5367.3	5351.0	5343.4	5360.6	5361.1	5330.3	5329.8	5355.3	5375.5	5369.9	5354.4	5352.4	5364.5	5396.4
32.50	5387.1	5391.3	5379.3	5368.4	5351.2	5346.3	5369.4	5364.0	5297.4	5287.5	5316.2	5338.7	5332.2	5313.9	5309.1	5317.2	5387.1
35.00	5251.5	5264.8	5262.8	5253.8	5238.5	5245.9	5280.2	5268.1	5155.7	5141.2	5174.1	5184.4	5170.4	5148.3	5144.8	5146.8	5251.5
37.50	5038.9	5063.8	5069.7	5055.4	5054.0	5066.0	5093.2	5078.6	4957.4	4942.2	4983.6	4985.2	4959.9	4933.2	4925.8	4935.9	5038.9
40.00	4839.4	4873.2	4882.5	4872.5	4872.9	4880.4	4896.2	4881.1	4766.2	4755.4	4797.3	4799.3	4769.1	4736.6	4730.8	4744.2	4839.4
42.50	4674.8	4706.6	4720.8	4716.8	4713.6	4707.8	4717.8	4704.2	4602.6	4605.9	4645.9	4647.6	4607.4	4577.2	4579.8	4590.2	4674.8
45.00	4569.1	4600.7	4610.3	4598.2	4589.0	4571.2	4586.3	4568.2	4507.6	4521.0	4551.9	4550.5	4509.9	4480.2	4482.3	4506.0	4569.1
47.50	4542.2	4571.3	4581.2	4564.2	4543.1	4518.9	4531.8	4516.4	4478.5	4504.7	4533.0	4535.1	4485.3	4450.0	4466.8	4490.2	4542.2
50.00	4578.8	4610.8	4627.7	4612.8	4588.4	4557.6	4556.5	4544.6	4508.7	4532.3	4549.1	4539.5	4488.0	4453.2	4476.1	4510.8	4578.8
52.50	4535.2	4570.3	4601.8	4593.1	4570.9	4539.4	4540.4	4523.9	4437.5	4443.0	4441.4	4423.6	4374.2	4344.8	4374.4	4421.6	4535.2
55.00	4373.7	4410.1	4443.1	4430.5	4406.0	4383.9	4386.1	4366.6	4273.3	4266.3	4252.0	4222.2	4180.1	4156.7	4188.9	4244.6	4373.7
57.50	4158.6	4189.9	4228.3	4207.3	4184.3	4166.3	4172.0	4142.9	4049.7	4039.7	4009.2	3972.8	3939.9	3918.8	3944.4	4007.1	4158.6
60.00	3888.0	3914.9	3952.6	3929.3	3904.0	3900.9	3909.1	3878.8	3778.0	3760.7	3726.9	3685.1	3658.6	3640.8	3667.2	3724.6	3888.0
62.50	3563.9	3578.6	3612.5	3595.7	3580.5	3585.1	3584.2	3558.0	3428.8	3403.9	3361.5	3334.3	3309.8	3294.6	3318.7	3368.7	3563.9
65.00	3136.1	3147.2	3192.0	3174.0	3176.4	3187.1	3181.4	3147.7	2988.3	2949.4	2917.5	2894.4	2869.4	2855.2	2881.2	2917.8	3136.1
67.50	2630.8	2645.2	2677.9	2662.5	2688.2	2688.5	2687.6	2649.4	2481.6	2443.3	2408.9	2405.4	2367.3	2349.3	2384.5	2411.8	2630.8
70.00	2125.8	2131.9	2160.4	2133.3	2161.3	2168.7	2160.8	2153.0	2010.7	1975.7	1966.6	1955.7	1923.3	1910.9	1934.4	1955.0	2125.8
72.50	1748.4	1755.4	1765.8	1752.8	1765.0	1773.4	1760.0	1776.8	1656.4	1638.0	1631.9	1620.4	1600.3	1594.6	1612.9	1623.9	1748.4
75.00	1446.9	1456.3	1454.5	1448.8	1451.2	1462.1	1452.2	1468.3	1370.2	1357.7	1361.4	1348.7	1330.7	1335.8	1348.6	1354.7	1446.9
77.50	1200.0	1210.7	1204.8	1202.0	1203.0	1209.0	1207.5	1212.1	1140.4	1132.8	1133.4	1124.4	1113.8	1115.9	1129.5	1131.6	1200.0
80.00	1005.8	1010.6	1004.9	1003.6	1007.7	1013.7	1009.5	1016.1	959.9	954.7	955.7	949.2	942.7	945.0	951.9	953.3	1005.8
82.50	853.6	859.3	855.2	855.3	857.4	860.8	855.0	863.9	818.2	817.3	814.7	810.9	808.2	811.3	814.5	816.2	853.6
85.00	738.0	742.0	738.2	738.7	738.7	740.5	738.2	744.4	709.0	708.7	708.0	705.8	701.7	706.8	706.7	709.5	738.0
87.50	649.4	652.6	649.0	648.2	648.7	649.6	648.8	652.4	626.5	626.9	625.9	623.6	621.6	626.4	626.5	630.2	649.4
90.00	584.3	584.3	582.3	581.4	582.2	582.7	582.4	584.8	567.9	568.4	568.4	566.9	566.0	569.3	569.4	571.9	584.3
92.50	545.9	544.5	542.7	541.7	542.2	542.4	542.2	544.2	535.7	536.9	536.1	536.1	535.8	538.1	537.8	539.2	545.9
95.00	525.8	524.4	522.9	522.5	523.2	522.6	522.6	524.2	519.0	520.9	520.2	520.5	519.9	521.7	521.4	522.9	525.8
97.50	517.9	516.3	514.7	515.0	515.5	515.3	515.2	516.2	514.4	516.4	516.1	516.3	516.0	517.1	516.7	518.1	517.9
100.00	515.7	514.4	513.3	514.0	514.7	514.7	514.8	515.5	516.2	518.4	517.9	517.7	516.8	518.1	517.5	519.6	515.7
102.50	517.1	516.2	515.5	516.7	517.6	517.1	517.8	517.9	519.9	522.0	521.2	521.1	519.5	521.0	520.6	522.4	517.1
105.00	522.1	521.3	521.0	522.8	523.8	523.5	524.1	524.8	526.8	528.4	527.3	526.5	525.0	526.4	526.4	527.9	522.1
107.50	528.6	527.9	528.4	531.0	532.4	532.6	532.9	533.0	535.1	536.1	535.0	533.7	531.6	532.1	532.3	534.2	528.6
110.00	535.1	534.7	535.3	538.6	540.0	540.3	540.7	541.5	543.7	543.9	542.7	541.7	539.2	538.7	538.6	540.0	535.1
112.50	541.5	541.7	542.6	546.1	547.5	547.7	548.9	550.0	552.0	551.2	550.3	549.8	546.2	545.5	545.3	545.4	541.5
115.00	548.8	549.4	550.1	554.0	556.0	556.1	557.6	558.9	560.2	558.8	558.4	557.5	553.5	551.7	552.0	551.4	548.8
117.50	555.6	556.3	556.7	561.4	563.4	563.4	564.5	566.6	566.6	565.2	564.1	563.2	559.1	556.7	557.4	556.4	555.6

