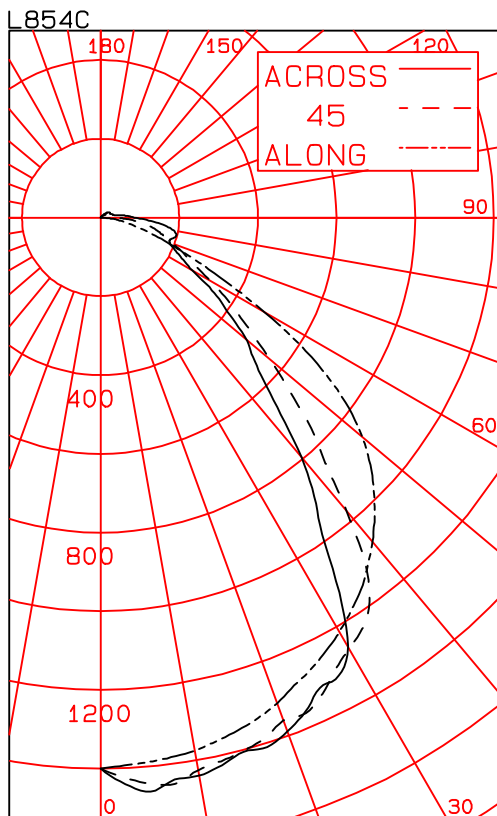


TEST REPORT NO. L854C
 ACCREDITED BY NVLAP (LAB CODE 500084-0) TO ISO/IES 17025:2005 FOR IES LM-79-08

4' LED WRAPAROUND LUMINAIRE CAT. NO. CL-LWRAP-PS-41-40K4000-120-K12
 WITH WHITE REFLECTOR AND PRISMATIC WRAP LENS
 PHILIPS FORTIMO LED STRIP WITH 96 LEDS. LUMEN OUTPUT = 3446 LMS.
 PHILIPS ADVANCE XITANIUM 120-277V LED DRIVER MODEL XI040C110V054BST1



CANDLEPOWER SUMMARY

OUTPUT LUMENS

ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	1400	1400	1400	1400	1400	
5	1389	1430	1443	1456	1464	139
15	1349	1431	1403	1395	1405	396
25	1266	1318	1336	1327	1319	607
35	1155	1184	1192	1048	984	698
45	983	971	758	632	587	604
55	706	529	427	387	374	424
65	290	256	248	233	219	250
75	102	120	161	155	196	156
85	23	48	81	129	142	91
90	0	18	44	89	86	
95	0	13	33	56	59	36
105	0	7	23	29	32	19
115	0	1	19	25	27	14
125	0	0	8	20	23	8
135	0	0	1	6	8	2
145	0	0	0	1	2	0
155	0	0	0	0	0	0
165	0	0	0	0	0	0
175	0	0	0	0	0	0
180	0	0	0	0	0	

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	1140	33.11	33.11
0-40	1839	53.37	53.37
0-60	2867	83.21	83.21
0-90	3364	97.65	97.65
40-90	1525	44.28	44.28
60-90	497	14.44	14.44
90-180	80	2.35	2.35
0-180	3446	100.00	100.00

** EFFICACY = 129.6 LMS/WATT **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = 1.3
 SC = 1.3

ANGLE	ALONG	45	ACROSS
45	5278	3632	2690
55	4676	2406	1986
65	2602	1761	1430
75	1497	1609	1741
85	1002	1459	2059

DATE:
 SEP 18, 2017
 PREPARED FOR:
 CUSTOM LIGHTING LTD.
 EDMONTON, ALBERTA

TESTED ACCORDING TO IES LM-79-2008 SEC. 10. TEST DISTANCE EXCEEDS FIVE TIMES THE GREATEST LUMINOUS OPENING OF LUMINAIRE

LUMENTRA, INC.
 160 FROBISHER DRIVE, UNIT 5
 WATERLOO, ONTARIO

TEST REPORT NO. L854C
 COMPUTED BY LSC PROGRAM **TEST-LITE**

4' LED WRAPAROUND LUMINAIRE CAT. NO. CL-LWRAP-PS-41-40K4000-120-K12
 WITH WHITE REFLECTOR AND PRISMATIC WRAP LENS
 PHILIPS FORTIMO LED STRIP WITH 96 LEDS. LUMEN OUTPUT = 3446 LMS.
 PHILIPS ADVANCE XITANIUM 120-277V LED DRIVER MODEL XI040C110V054BST1

CANDLEPOWER DATA

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	
0	1400	1400	1400	1400	1400	1400	
5	1389	1430	1443	1456	1464	1439	139
10	1376	1439	1426	1434	1440	1426	
15	1349	1431	1403	1395	1405	1401	396
20	1313	1368	1360	1385	1390	1366	
25	1266	1318	1336	1327	1319	1318	607
30	1215	1254	1264	1276	1259	1257	
35	1155	1184	1192	1048	984	1123	698
40	1075	1095	973	834	795	959	
45	983	971	758	632	587	786	604
50	870	759	565	489	487	622	
55	706	529	427	387	374	470	424
60	484	366	322	309	269	343	
65	290	256	248	233	219	248	250
70	172	179	198	189	188	186	
75	102	120	161	155	196	146	156
80	55	80	128	149	189	119	
85	23	48	81	129	142	85	91
90	0	18	44	89	86	48	
95	0	13	33	56	59	33	36
100	0	9	25	33	36	21	
105	0	7	23	29	32	19	19
110	0	3	21	26	28	16	
115	0	1	19	25	27	14	14
120	0	0	15	24	26	13	
125	0	0	8	20	23	10	8
130	0	0	3	12	16	5	
135	0	0	1	6	8	3	2
140	0	0	0	2	4	1	
145	0	0	0	1	2	0	0
150	0	0	0	0	0	0	
155	0	0	0	0	0	0	0
160	0	0	0	0	0	0	
165	0	0	0	0	0	0	0
170	0	0	0	0	0	0	
175	0	0	0	0	0	0	0
180	0	0	0	0	0	0	

LUMENTRA, INC.
 160 FROBISHER DRIVE, UNIT 5
 WATERLOO, ONTARIO

TEST REPORT NO. L854C
 COMPUTED BY LSC PROGRAM **TEST-LITE**

4' LED WRAPAROUND LUMINAIRE CAT. NO. CL-LWRAP-PS-41-40K4000-120-K12
 WITH WHITE REFLECTOR AND PRISMATIC WRAP LENS
 PHILIPS FORTIMO LED STRIP WITH 96 LEDS. LUMEN OUTPUT = 3446 LMS.
 PHILIPS ADVANCE XITANIUM 120-277V LED DRIVER MODEL XI040C110V054BST1

AVERAGE LUMINANCE DATA

ANGLE	ALONG	CD. / SQ. M. (FOOTLAMBERTS)				ACROSS
		22.5	45	67.5		
0	5317(1551)	5317(1551)	5317(1551)	5317(1551)	5317(1551)	
30	5329(1555)	5307(1549)	5185(1513)	5126(1496)	5010(1462)	
40	5331(1555)	5152(1503)	4369(1275)	3648(1064)	3434(1002)	
45	5278(1540)	4893(1428)	3632(1060)	2928(854)	2690(785)	
50	5141(1500)	4164(1215)	2904(847)	2424(707)	2375(693)	
55	4676(1364)	3198(933)	2406(702)	2082(607)	1986(579)	
60	3677(1073)	2498(729)	2013(587)	1835(535)	1565(456)	
65	2602(759)	2011(587)	1761(514)	1553(453)	1430(417)	
70	1910(557)	1678(489)	1638(478)	1449(422)	1402(409)	
75	1497(436)	1406(410)	1609(469)	1414(412)	1741(508)	
80	1203(351)	1262(368)	1639(478)	1695(494)	2061(601)	
85	1002(292)	1172(342)	1459(425)	1963(573)	2059(601)	

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES

LUMENTRA, INC.
 160 FROBISHER DRIVE, UNIT 5
 WATERLOO, ONTARIO

TEST REPORT NO. L854C
 COMPUTED BY LSC PROGRAM **TEST-LITE**

4' LED WRAPAROUND LUMINAIRE CAT. NO. CL-LWRAP-PS-41-40K4000-120-K12
 WITH WHITE REFLECTOR AND PRISMATIC WRAP LENS
 PHILIPS FORTIMO LED STRIP WITH 96 LEDS. LUMEN OUTPUT = 3446 LMS.
 PHILIPS ADVANCE XITANIUM 120-277V LED DRIVER MODEL XI040C110V054BST1

COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

CC WALL	80				70				50				30				10				0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	1.181	1.181	1.181	1.18	1.151	1.151	1.151	1.15	1.101	1.101	1.10	1.051	1.051	1.05	1.001	1.001	1.00	1.00	1.00	1.00	.98
1	1.101	1.061	1.02	.98	1.071	1.031	1.00	.97	.98	.96	.93	.94	.92	.90	.90	.88	.87	.87	.87	.87	.85
2	1.02	.95	.89	.84	.99	.93	.87	.83	.89	.85	.81	.85	.82	.79	.82	.79	.77	.77	.77	.75	
3	.94	.85	.78	.73	.92	.83	.77	.72	.80	.75	.71	.77	.73	.69	.75	.71	.68	.68	.68	.66	
4	.88	.77	.70	.64	.85	.76	.69	.64	.73	.67	.63	.71	.66	.62	.69	.64	.61	.61	.61	.58	
5	.81	.70	.62	.56	.79	.69	.61	.56	.67	.60	.55	.64	.59	.55	.63	.58	.54	.54	.54	.52	
6	.76	.64	.56	.50	.74	.63	.55	.50	.61	.54	.49	.59	.53	.49	.57	.52	.48	.48	.48	.46	
7	.70	.58	.50	.44	.68	.57	.49	.44	.55	.48	.43	.53	.47	.43	.52	.47	.42	.42	.42	.41	
8	.65	.52	.45	.39	.63	.52	.44	.39	.50	.44	.39	.49	.43	.38	.48	.42	.38	.38	.38	.36	
9	.60	.48	.40	.35	.59	.47	.40	.35	.46	.39	.35	.45	.39	.34	.44	.38	.34	.34	.34	.32	
10	.56	.44	.36	.31	.55	.43	.36	.31	.42	.35	.31	.41	.35	.31	.40	.34	.30	.30	.30	.29	

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
 LUMINAIRE INPUT WATTS = 26.6
 LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
 ABSOLUTE PHOTOMETRY TAKEN.

LUMENTRA, INC.
160 FROBISHER DRIVE, UNIT 5
WATERLOO, ONTARIO

TEST REPORT NO. L854C

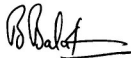
4' LED WRAPAROUND LUMINAIRE CAT. NO. CL-LWRAP-PS-41-40K4000-120-K12
WITH WHITE REFLECTOR AND PRISMATIC WRAP LENS
PHILIPS FORTIMO LED STRIP WITH 96 LEDS. LUMEN OUTPUT = 3446 LMS.
PHILIPS ADVANCE XITANIUM 120-277V LED DRIVER MODEL XI040C110V054BST1

AMBIENT TEMPERATURE: 24.8 °C
STABILIZATION TIME: 45 MINUTES
THE LUMINAIRE WAS OPERATED IN THE ORIENTATION INDICATED BY THE PICTURES BELOW
LSI MOVING MIRROR GONIOPHOTOMETER 6240T WAS USED

ELECTRICAL CONSUMPTION

INPUT VOLTAGE: 120.0 VRMS
INPUT CURRENT: 0.223 ARMS
INPUT WATTAGE: 26.58
POWER FACTOR: 0.993



Prepared By: 
BalaKumar Bhaskaran
Senior Engineer

Approved By: 
Charles Sisson
Senior Technologist

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END OF REPORT