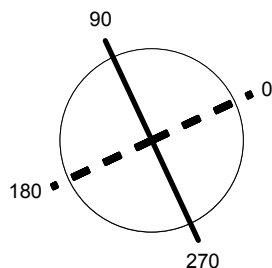


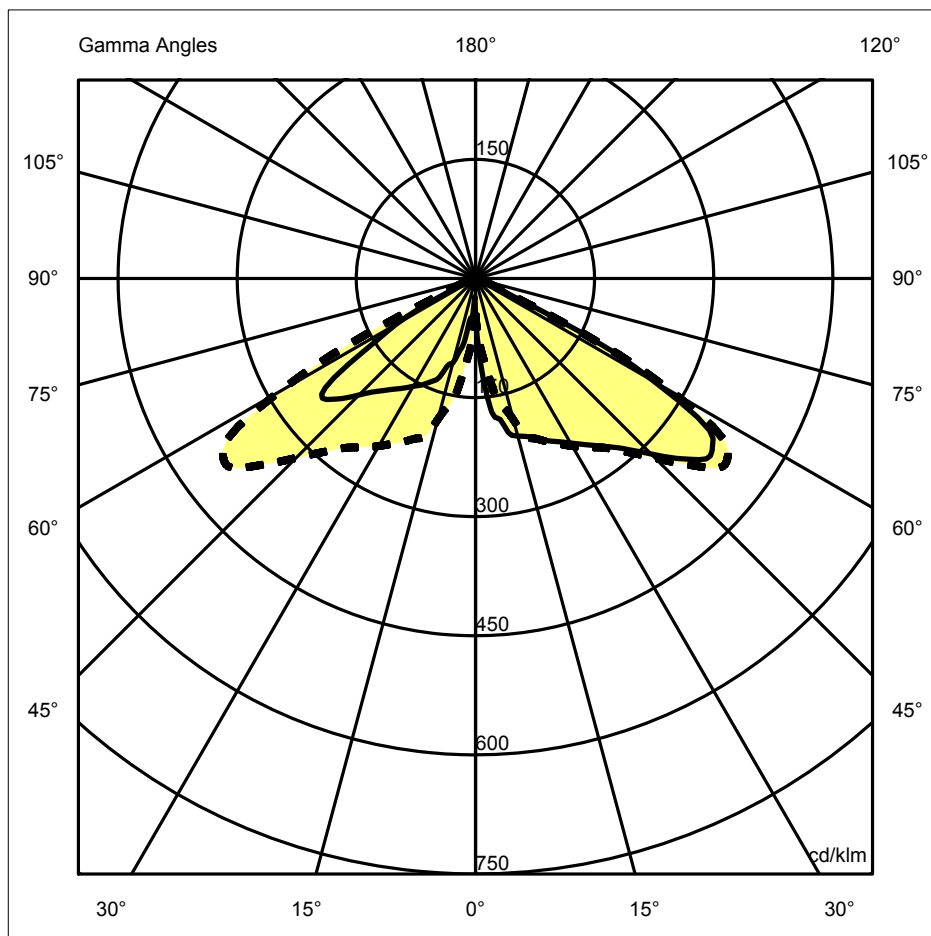
<b>Luminaire</b>		<b>Measurem.</b>		<b>Lamp</b>	
Code	UMC-20001-T5-W40	Code	LIGMAN	Code	ITLC023340
Name	Macaron 1 post top luminaires	Name	Macaron 1 post top luminaires	Number	3
Line	lesna 2002 Absolute	Date	14-09-2017	Position	
Luminaire Flux	7904.38 lm	Luminaire Power	81.00 W	Efficacy	97.58 lm/W
Lamps Flux	7904.38 lm	Maximum value	416.25 cd/klm	Position	C=45.00 G=65.00
Round Luminaire		Diam.	520 mm	Height	1 mm
Round Luminous Area		Diam.	520 mm	Height	0 mm
Horizontal Luminous Area	0.212372 m2	Emitting area on Plane 180°	0.000000 m2	Emitting area on Plane 270°	0.000000 m2
Emitting area on Plane 0°	0.000000 m2	Glare area at 76°	0.051377 m2		
Emitting area on Plane 90°	0.000000 m2				
Coordinate system	CG	Symmetry Type	Sym. on planes 270-90		
Date	14-09-2017	Maximum Gamma Angle	90		
Measurement Distance	0.00	Measurement Flux	7904.38 lm		
Operator		Source voltage			
Temperature	25.00 °C	Source current			
Humidity	60.00 %	Photocell			
Notes					
<b>Luminaire Lamps</b>					
Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	ITLC023340	3x3LED 4000K - 27.00 W	2634.79	27.00	3
C.I.E.	33 83 100 100 100	D DIN 5040	A20		
F UTE	1.00 F	B NBN	BZ 6 / 1 / BZ 5 / 3 / BZ 4		

Diam=520mm

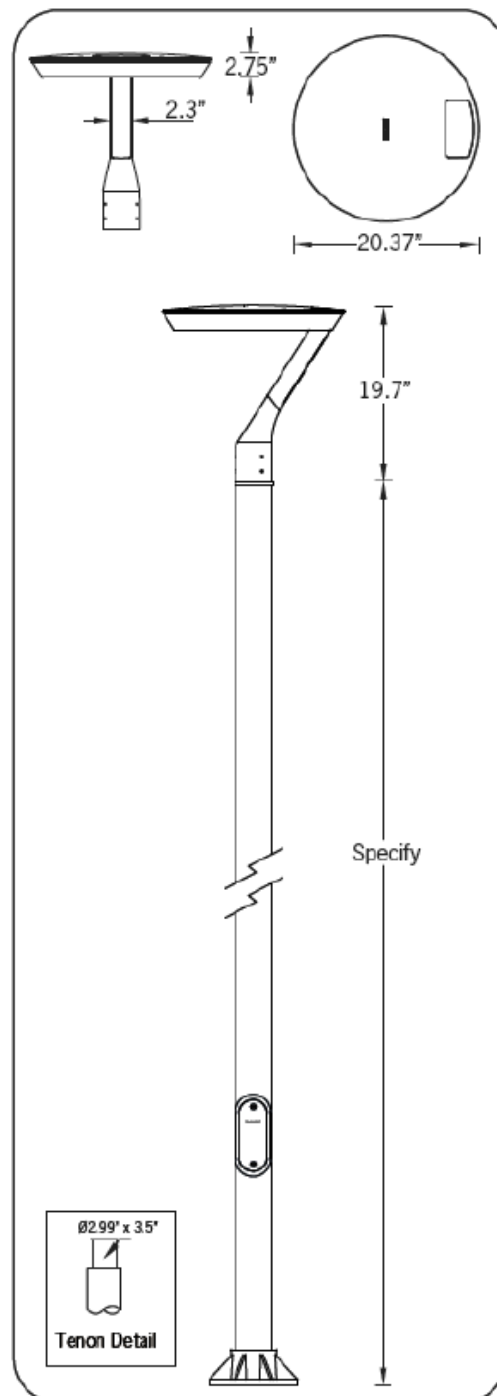


C Halfplanes  
270.0 ——— 0.0  
180.0 - - - - - 90.0

ULOR 0.00 %  
DLOR 100.00 %  
RN 0.00 %



Luminaire		Measurem.				Lamp		
Code	UMC-20001-T5-W40	Code	LIGMAN			Code	ITLC023340	
Name	Macaron 1 post top luminaires	Name	Macaron 1 post top luminaires			Number	3	
Line	lesna 2002 Absolute	Date	14-09-2017			Position		
Luminaire Flux		7904.38 lm	Luminaire Power	81.00 W	Efficacy	97.58 lm/W	Efficiency	100.00%
Lamps Flux		7904.38 lm	Maximum value	416.25 cd/klm	Position	C=45.00 G=65.00	CG	Sym. on planes 270-90

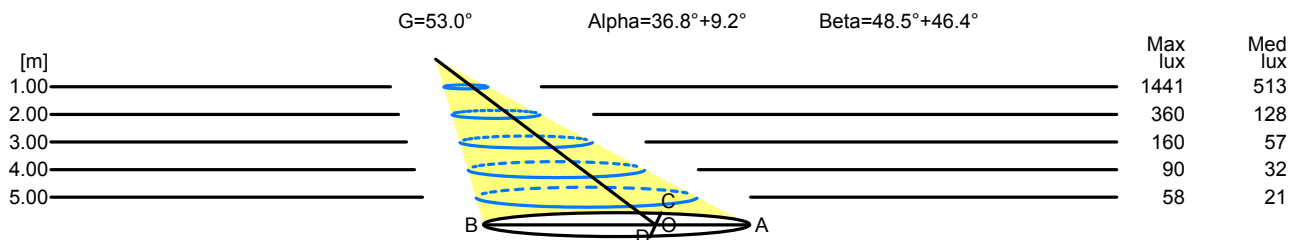


Luminaire		Measurem.		Lamp			
Code	UMC-20001-T5-W40	Code	LIGMAN	Code	ITLC023340		
Name	Macaron 1 post top luminaires	Name	Macaron 1 post top luminaires	Number	3		
Line	lesna 2002 Absolute	Date	14-09-2017	Position			
Luminaire Flux	7904.38 lm	Luminaire Power	81.00 W	Efficacy	97.58 lm/W	Efficiency	100.00%
Lamps Flux	7904.38 lm	Maximum value	416.25 cd/klm	Position	C=45.00 G=65.00	CG Sym. on planes	270-90

Width at 50.00 % of Max Intensity

H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	0.57	1.14	1.71	2.28	2.84	OC	1.88	3.76	5.63	7.51	9.39
OB	1.04	2.07	3.11	4.15	5.18	OD	1.74	3.49	5.23	6.98	8.72

		Luminous Intensities [ cd/klm]									
		0	5	15	25	35	45	55	65	75	85
OA		353.20	750.50	1454.00	1804.00	2053.60	2526.50	3068.10	400.10	42.90	8.70
OB		353.20	750.50	1454.00	1804.00	2053.60	2526.50	3068.10	400.10	42.90	8.70
OC		353.20	1089.00	1624.70	1786.30	2026.40	2468.00	2881.10	381.90	47.40	13.00
OD		353.20	423.50	870.00	1151.40	1340.50	1639.30	1717.20	168.90	16.00	0.90

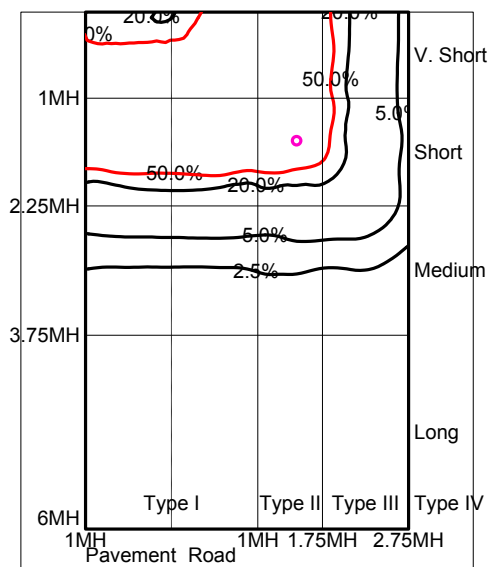
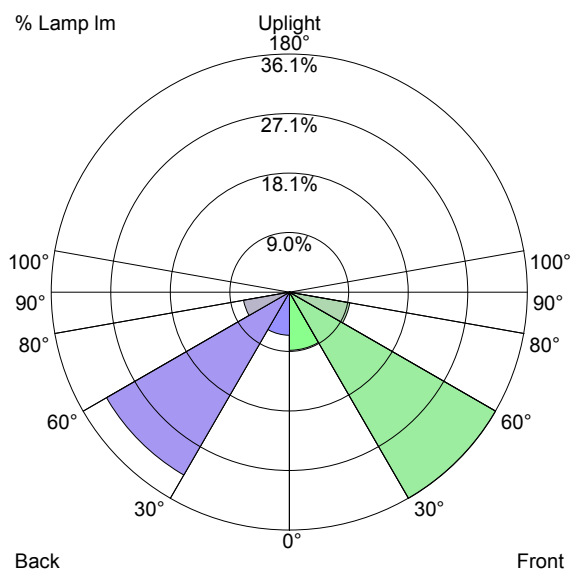


H[m]	D[m]	Max lux	Med lux	Alpha=36.8°+9.2°	G=53.0	
1.00	1.61	1441	513			
2.00	3.21	360	128			
3.00	4.82	160	57			
4.00	6.42	90	32			
5.00	8.03	58	21			

H[m]	D[m]	Max lux	Med lux	Beta=46.4°+48.5°	G=0.0	
1.00	3.62	1441	513			
2.00	7.24	360	128			
3.00	10.87	160	57			
4.00	14.49	90	32			
5.00	18.11	58	21			

<b>Luminaire</b>		<b>Measurem.</b>		<b>Lamp</b>		
Code	UMC-20001-T5-W40	Code	LIGMAN	Code	ITLC023340	
Name	Macaron 1 post top luminaires	Name	Macaron 1 post top luminaires	Number	3	
Line	lesna 2002 Absolute	Date	14-09-2017	Position		
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Lamps Flux	7904.38 lm	Maximum value	416.25 cd/klm	Position	C=45.00 G=65.00	CG Sym. on planes 270-90

US ROAD STANDARDS



Luminaire Classification System (LCS)			
LCS Zone		Lumens	%Lamp %Lum
FL	0° -- 30°	696.8 lm	8.8 % 8.8 %
FM	30° -- 60°	2855.1 lm	36.1 % 36.1 %
FH	60° -- 80°	735.4 lm	9.3 % 9.3 %
FVH	80° -- 90°	6.4 lm	0.1 % 0.1 %
BL	0° -- 30°	517.2 lm	6.5 % 6.5 %
BM	30° -- 60°	2532.2 lm	32.0 % 32.0 %
BH	60° -- 80°	558.2 lm	7.1 % 7.1 %
BVH	80° -- 90°	3.2 lm	0.0 % 0.0 %
UL	90° -- 100°	0.0 lm	0.0 % 0.0 %
UH	100° -- 180°	0.0 lm	0.0 % 0.0 %
TOTALS		7904.4 lm	100.0 % 100.0 %
BUG B3 U0 G2 Type III Short Asymmetrical			

<b>Luminaire</b>		<b>Measurem.</b>		<b>Lamp</b>		
Code	UMC-20001-T5-W40	Code	LIGMAN	Code	ITLC023340	
Name	Macaron 1 post top luminaires	Name	Macaron 1 post top luminaires	Number	3	
Line	lesna 2002 Absolute	Date	14-09-2017	Position		
Luminaire Flux	7904.38 lm	Luminaire Power	81.00 W	Efficacy	97.58 lm/W	Efficiency 100.00%
Lamps Flux	7904.38 lm	Maximum value	416.25 cd/klm	Position	C=45.00 G=65.00	CG Sym. on planes 270-90

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=6.00m

