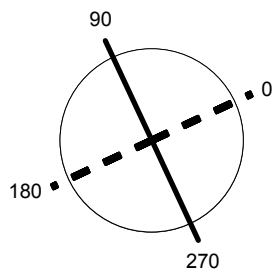


Luminaire		Measurem.		Lamp	
Code	UMC-20011-T4-W40 (US-1804)	Code	LIGMAN	Code	MC-20011-T4-W40
Name	Macaron Post top LED	Name	Macaron Post top LED	Number	1
Line	lesna 2002 Absolute	Date	21-02-2018	Position	
Luminaire Flux	11525.26 lm	Luminaire Power	143.00 W	Efficacy	80.60 lm/W
Lamps Flux	11525.26 lm	Maximum value	560.04 cd/klm	Position	C=125.00 G=67.50
				CG	Asymmetrical
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 0°	0.000000 m2			Emitting area on Plane 270°	0.000000 m2
Emitting area on Plane 90°	0.000000 m2			Glare area at 76°	0.051377 m2
Coordinate system	CG	Symmetry Type		Asymmetrical	
Date	21-02-2018	Maximum Gamma Angle		180	
Measurement Distance	0.00	Measurement Flux		11525.26 lm	
Operator		Source voltage			
Temperature	25.00 °C	Source current			
Humidity	60.00 %	Photocell			
Notes					
Luminaire Lamps					
Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	MC-20011-T4-W40	MC-20011-T4-W40 143 W 11525.25lm	11525.26	143.00	1
C.I.E.	35 71 96 100 100	D DIN 5040	A20		
F UTE	1.00 G	B NBN	BZ 6 / 1.5 / BZ 5		

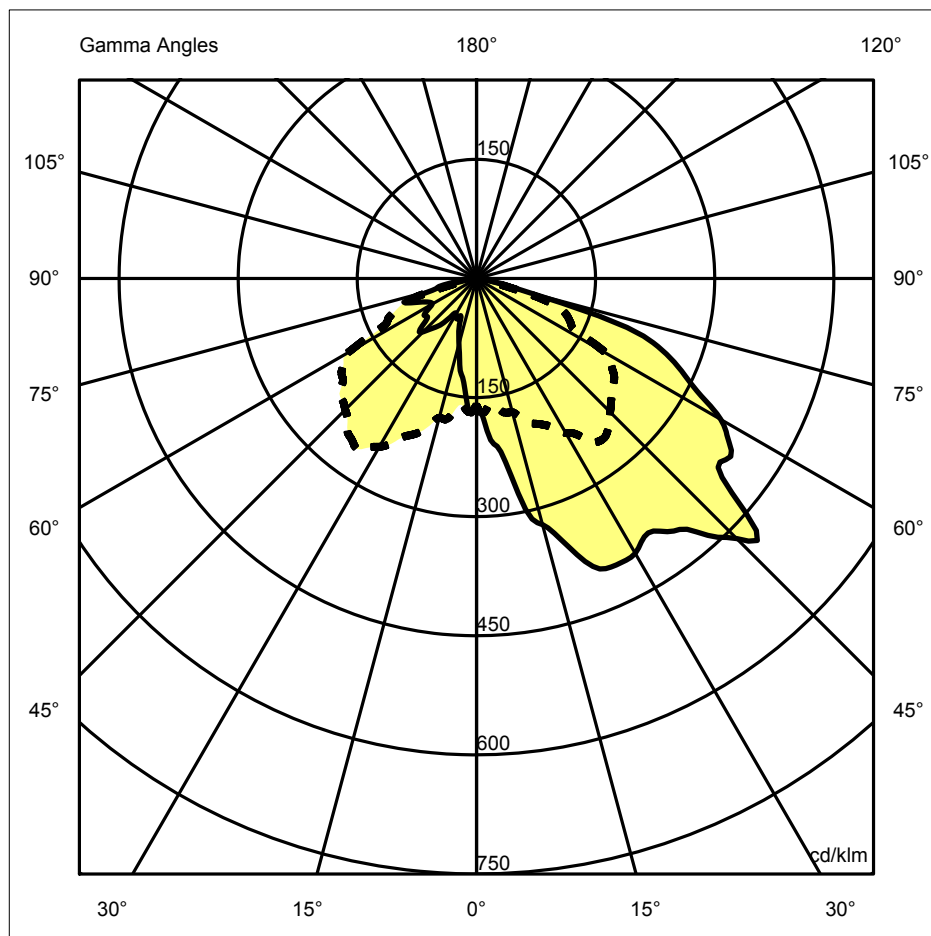
Diam=520mm



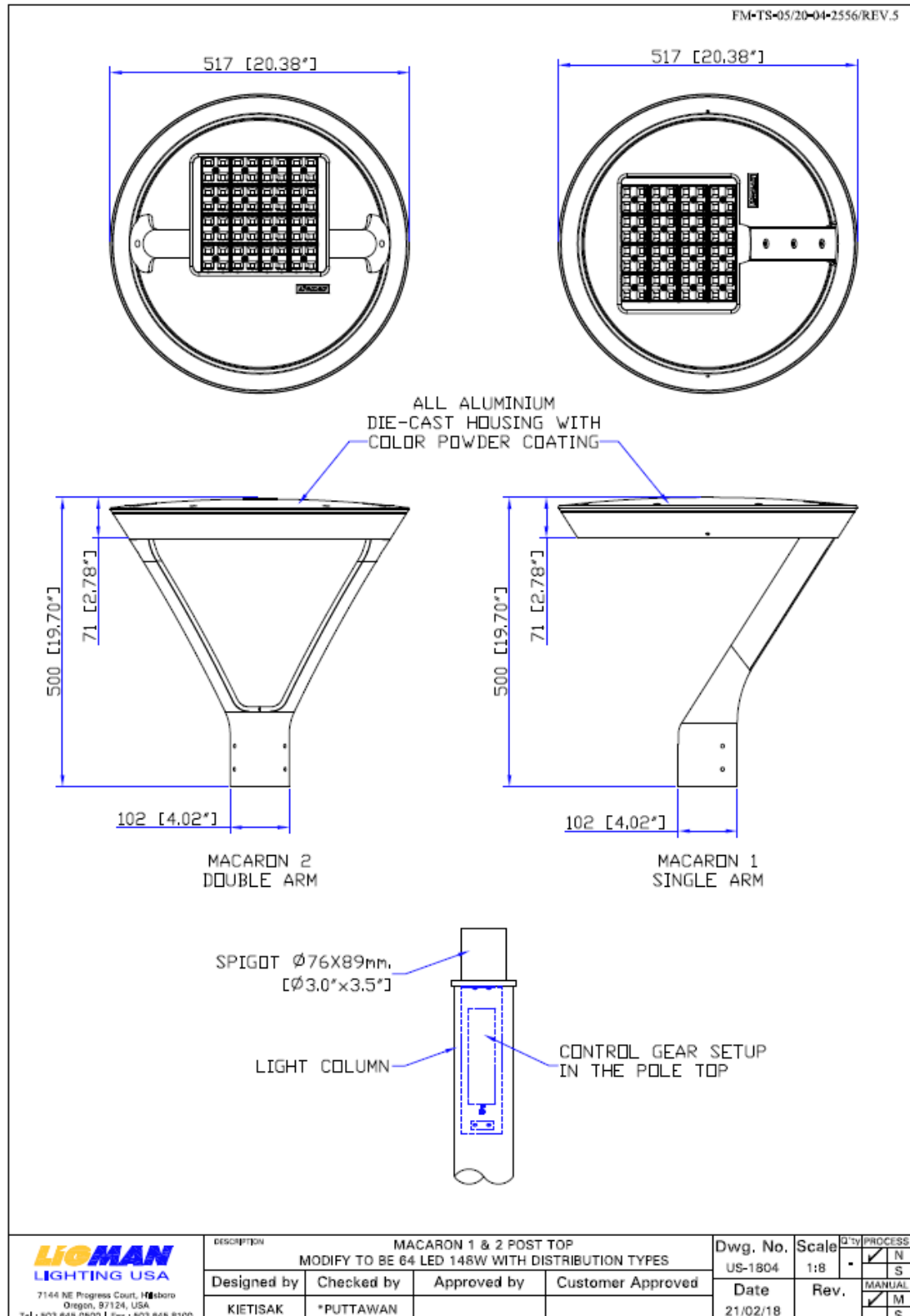
C Halfplanes

180.0 --- 0.0
270.0 --- 90.0

ULOR 0.00 %
DLOR 100.00 %
RN 0.00 %



Luminaire		Measurment.		Lamp		
Code	UMC-20011-T4-W40 (US-1804)	Code	LIGMAN	Code	MC-20011-T4-W40	
Name	Macaron Post top LED	Name	Macaron Post top LED	Number	1	
Line	lesna 2002 Absolute	Date	21-02-2018	Position		
Luminaire Flux	11525.26 lm	Luminaire Power	143.00 W	Efficacy	80.60 lm/W	Efficiency 100.00%
Lamps Flux	11525.26 lm	Maximum value	560.04 cd/klm	Position	C=125.00 G=67.50	CG Asymmetrical

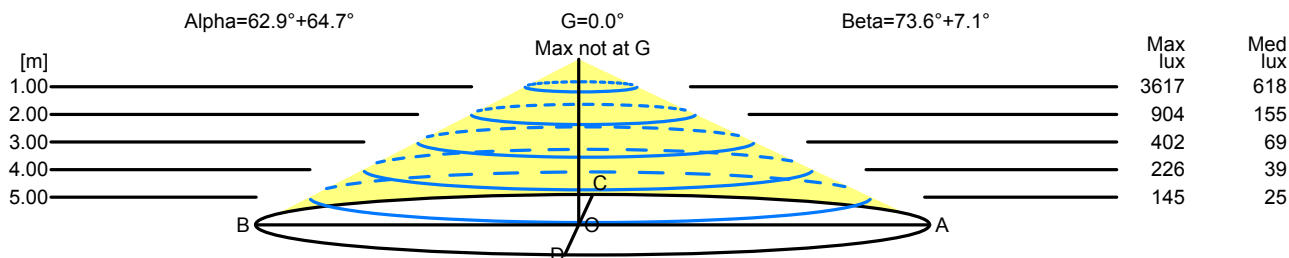


Luminaire		Measurem.		Lamp			
Code	UMC-20011-T4-W40 (US-1804)	Code	LIGMAN	Code	MC-20011-T4-W40		
Name	Macaron Post top LED	Name	Macaron Post top LED	Number	1		
Line	lesna 2002 Absolute	Date	21-02-2018	Position			
Luminaire Flux	11525.26 lm	Luminaire Power	143.00 W	Efficacy	80.60 lm/W	Efficiency	100.00%
Lamps Flux	11525.26 lm	Maximum value	560.04 cd/klm	Position	C=125.00 G=67.50	CG	Asymmetrical

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	2.12	4.24	6.36	8.48	10.60	OC	3.40	6.80	10.19	13.59	16.99
OB	1.95	3.90	5.85	7.80	9.75	OD	0.12	0.25	0.37	0.50	0.62

		Luminous Intensities [cd/klm]									
		0	5	15	25	35	45	55	65	75	85
OA		1839.80	1873.80	2005.30	2346.00	2883.50	2745.50	2438.70	1504.50	486.20	0.00
OB		1839.80	1892.70	2086.90	2542.60	3022.00	2693.90	2396.10	1424.10	513.60	0.00
OC		1839.80	2351.20	3697.30	4621.10	4474.80	5336.20	4504.10	3340.20	812.40	0.00
OD		1839.80	1733.30	988.30	637.80	720.60	1091.60	928.30	802.50	663.30	0.00

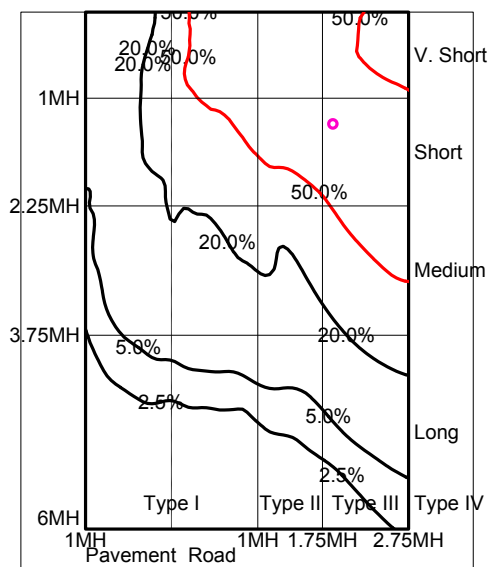
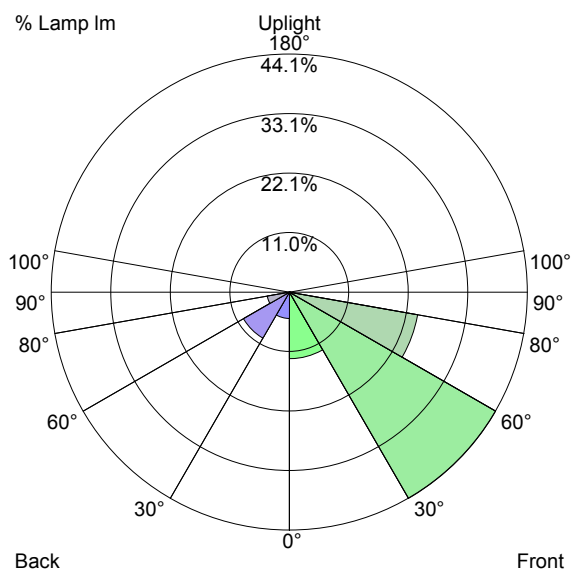


H[m]	D[m]	Max lux	Med lux	Alpha=62.9°+64.7°	G=0.0 Max not at G	
1.00	4.07	3617	618			
2.00	8.14	904	155			
3.00	12.21	402	69			
4.00	16.28	226	39			
5.00	20.35	145	25			

H[m]	D[m]	Max lux	Med lux	Beta=7.1°+73.6°	G=0.0 Max not at G	
1.00	3.52	3617	618			
2.00	7.05	904	155			
3.00	10.57	402	69			
4.00	14.09	226	39			
5.00	17.61	145	25			

Luminaire			Measurem.			Lamp		
Code	UMC-20011-T4-W40 (US-1804)		Code	LIGMAN		Code	MC-20011-T4-W40	
Name	Macaron Post top LED		Name	Macaron Post top LED		Number	1	
Line	lesna 2002 Absolute		Date	21-02-2018		Position		
Luminaire Flux		11525.26 lm	Luminaire Power	143.00 W	Efficacy	80.60 lm/W	Efficiency	100.00%
Lamps Flux		11525.26 lm	Maximum value	560.04 cd/klm	Position	C=125.00 G=67.50	CG Asymmetrical	

US ROAD STANDARDS



Luminaire Classification System (LCS)				
LCS Zone		Lumens	%Lamp	%Lum
FL	0° -- 30°	1421.6 lm	12.3 %	12.3 %
FM	30° -- 60°	5086.1 lm	44.1 %	44.1 %
FH	60° -- 80°	2780.0 lm	24.1 %	24.1 %
FVH	80° -- 90°	44.5 lm	0.4 %	0.4 %
BL	0° -- 30°	562.3 lm	4.9 %	4.9 %
BM	30° -- 60°	1133.1 lm	9.8 %	9.8 %
BH	60° -- 80°	480.2 lm	4.2 %	4.2 %
BVH	80° -- 90°	17.4 lm	0.2 %	0.2 %
UL	90° -- 100°	0.0 lm	0.0 %	0.0 %
UH	100° -- 180°	0.0 lm	0.0 %	0.0 %
TOTALS		11525.3 lm	100.0 %	100.0 %
BUG B2 U0 G2 Type IV Short Asymmetrical				