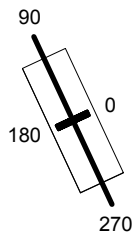


Luminaire		Measurem.		Lamp				
Code	UDE-20032-T2-W30	Code	LIGMAN	Code	ITLC017730			
Name	Denver 4 three side with step Street and area luminaire	Name	Denver 4 three side with step Street and area luminaire	Name	Denver 4 three side with step Street and area luminaire			
Line	lesna 2002 Absolute	Date	29-11-2017	Position	1			
Luminaire Flux		6566.50 lm	Luminaire Power	80.00 W	Efficacy	82.08 lm/W	Efficiency	100.00%
Lamps Flux		6566.50 lm	Maximum value	755.35 cd/klm	Position	C=162.50 G=57.50	CG	Asymmetrical
Rectangular Luminaire		Length	420 mm	Width	145 mm	Height	1 mm	
Rectangular Luminous Area		Length	420 mm	Width	145 mm	Height	0 mm	
Horizontal Luminous Area		0.060900 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°		0.014733 m2			
Coordinate system		CG	Symmetry Type		Asymmetrical			
Date		29-11-2017	Maximum Gamma Angle		90			
Measurement Distance		0.00	Measurement Flux		6566.50 lm			
Operator			Source voltage					
Temperature		25.00 °C	Source current					
Humidity		60.00 %	Photocell					
Notes								
Line		Code	Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty	
		ITLC017730	Name 24 LED 3000K - 80.00 W		6566.50	80.00	1	
C.I.E.		42 79 98 100 100	D DIN 5040		A30			
F UTE		1.00 E	B NBN		BZ 5 / 2.5 / BZ 4			

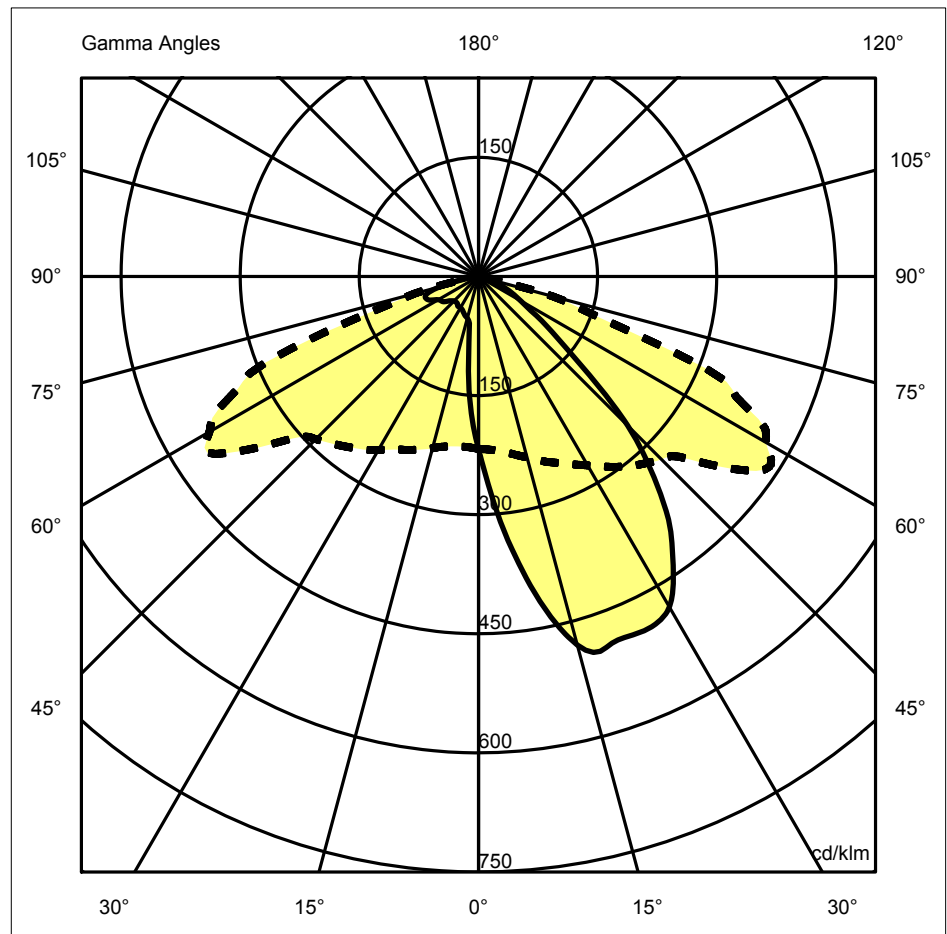
420mm x 145mm



C Halfplanes

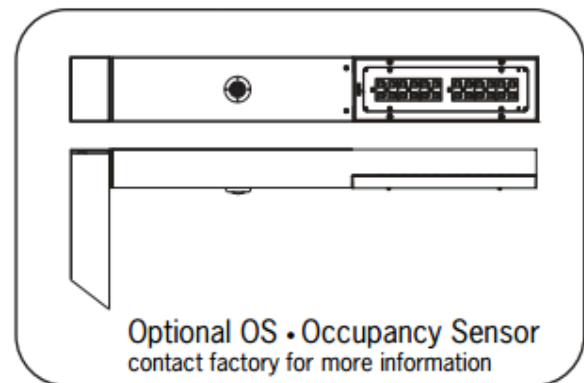
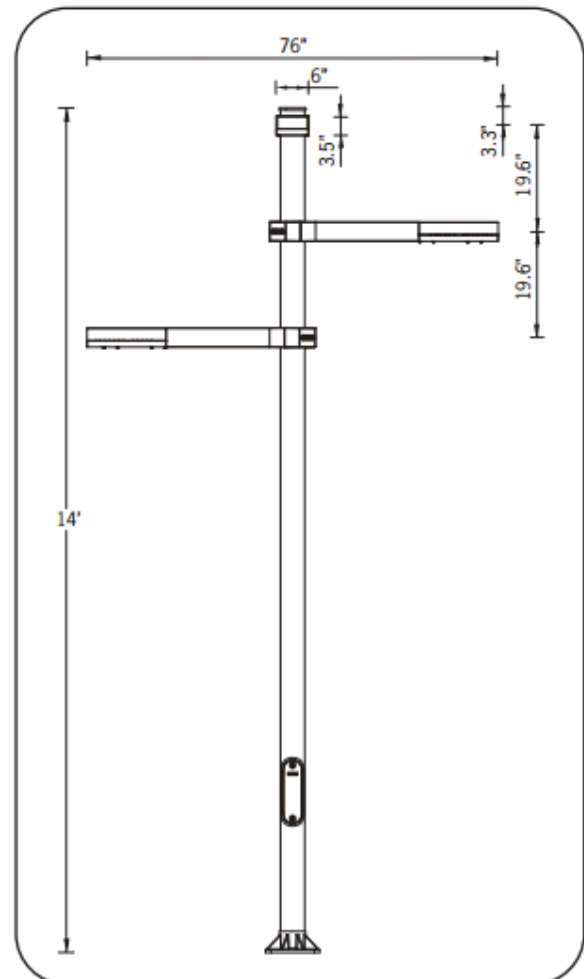
180.0 --- 0.0  
270.0 --- 90.0

ULOR 0.00 %  
DLOR 100.00 %  
RN 0.00 %



This report is one side of three sides

Luminaire			Measurem.			Lamp	
Code	UDE-20032-T2-W30		Code	LIGMAN		Code	ITLC017730
Name	Denver 4 three side with step Street and area luminaire		Name	Denver 4 three side with step Street and area luminaire		Number	1
Line	lesna 2002 Absolute		Date	29-11-2017		Position	
Luminaire Flux	6566.50 lm	Luminaire Power	80.00 W	Efficacy	82.08 lm/W	Efficiency	100.00%
Lamps Flux	6566.50 lm	Maximum value	755.35 cd/klm	Position	C=162.50 G=57.50	CG	Asymmetrical



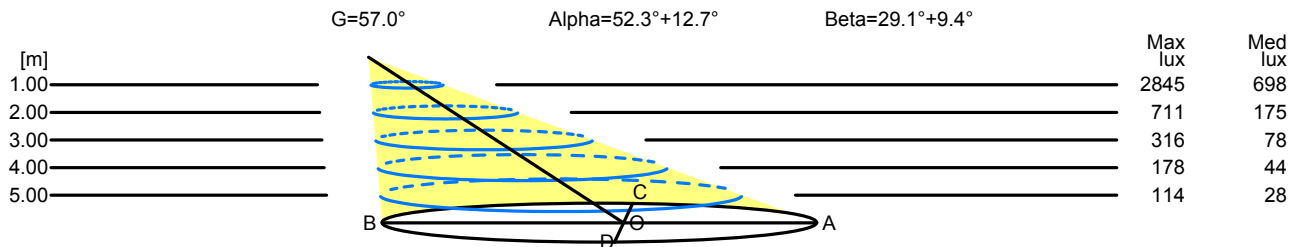
This report is one side of three sides

Luminaire			Measurem.			Lamp	
Code	UDE-20032-T2-W30		Code	LIGMAN		Code	ITLC017730
Name	Denver 4 three side with step Street and area luminaire		Name	Denver 4 three side with step Street and area luminaire		Number	1
Line	lesna 2002 Absolute		Date	29-11-2017		Position	
Luminaire Flux		6566.50 lm	Luminaire Power		80.00 W	Efficacy	82.08 lm/W
						Efficiency	100.00%
Lamps Flux		6566.50 lm	Maximum value	755.35 cd/klm	Position	C=162.50 G=57.50	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	1.17	2.33	3.50	4.67	5.83	OC	1.02	2.04	3.06	4.08	5.11
OB	1.46	2.92	4.37	5.83	7.29	OD	0.31	0.61	0.92	1.22	1.53

	Luminous Intensities [ cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	1425.90	1441.00	1548.30	1708.10	1922.80	2139.70	2802.00	2347.50	632.80	22.40
OB	1425.90	1413.60	1470.60	1577.90	1737.80	1902.30	2546.30	2194.60	545.30	24.80
OC	1425.90	2021.00	3153.70	3233.60	2797.40	1744.70	637.10	287.70	81.00	12.70
OD	1425.90	911.20	356.30	310.60	299.10	285.40	360.80	456.70	338.70	33.10

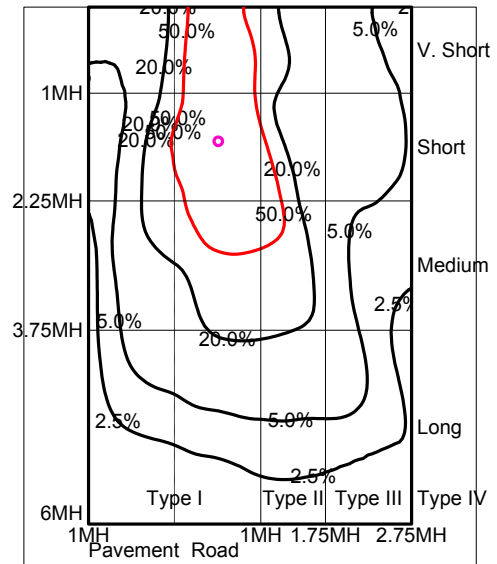
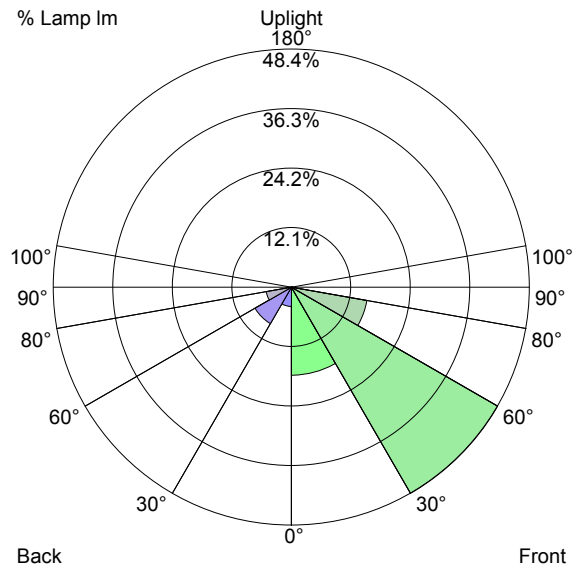


H[m]	D[m]	Max lux	Med lux	Alpha=52.3°+12.7°	G=57.0	
1.00	2.62	2845	698			
2.00	5.25	711	175			
3.00	7.87	316	78			
4.00	10.50	178	44			
5.00	13.12	114	28			

H[m]	D[m]	Max lux	Med lux	Beta=9.4°+29.1°	G=0.0	
1.00	1.33	2845	698			
2.00	2.65	711	175			
3.00	3.98	316	78			
4.00	5.31	178	44			
5.00	6.63	114	28			

Luminaire			Measur.			Lamp	
Code	UDE-20032-T2-W30		Code	LIGMAN		Code	ITLC017730
Name	Denver 4 three side with step Street and area luminaire		Name	Denver 4 three side with step Street and area luminaire		Name	1
Line	lesna 2002 Absolute		Date	29-11-2017		Position	
Luminaire Flux		6566.50 lm	Luminaire Power		80.00 W	Efficacy	82.08 lm/W
Lamps Flux		6566.50 lm	Maximum value	755.35 cd/klm	Position	C=162.50 G=57.50	CG Asymmetrical

#### US ROAD STANDARDS



Luminaire Classification System (LCS)				
LCS Zone		Lumens	%Lamp	%Lum
FL	0° -- 30°	1175.8 lm	17.9 %	17.9 %
FM	30° -- 60°	3179.2 lm	48.4 %	48.4 %
FH	60° -- 80°	1023.4 lm	15.6 %	15.6 %
FVH	80° -- 90°	14.2 lm	0.2 %	0.2 %
BL	0° -- 30°	257.7 lm	3.9 %	3.9 %
BM	30° -- 60°	561.3 lm	8.5 %	8.5 %
BH	60° -- 80°	341.8 lm	5.2 %	5.2 %
BVH	80° -- 90°	13.0 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		6566.5 lm	100.0 %	100.0 %
BUG B1 U0 G1 Type II Short Asymmetrical				

<b>Luminaire</b>			<b>Measurem.</b>			<b>Lamp</b>	
Code	UDE-20032-T2-W30		Code	LIGMAN		Code	ITLC017730
Name	Denver 4 three side with step Street and area luminaire		Name	Denver 4 three side with step Street and area luminaire		Number	1
Line	lesna 2002 Absolute		Date	29-11-2017		Position	
Luminaire Flux	6566.50 lm	Luminaire Power	80.00 W	Efficacy	82.08 lm/W	Efficiency	100.00%
Lamps Flux	6566.50 lm	Maximum value	755.35 cd/klm	Position	C=162.50 G=57.50	CG	Asymmetrical

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=4.00m

