ILS or LOC RWY 9

DULUTH INTL (DLH)

LOC I-DLH	APP CRS	Rwy Idg	10062
110.3	093°	TDZE	1428
		Apt Elev	1428

T A ASR — Circling NA for Cat E southeast of Rwy 3-27. ADF or RADAR required. For inop ALS, increase S-ILS 9 Cat E visibility to RVR 4000 and S-LOC 9 Cat C/D/E visibility to 1½ SM.

ALSF-2

MISSED APPROACH: Climb to 3000 then climbing left turn to 4500 on heading 320° and on DLH VORTAC R-017 to CHERL INT/DLH 15 DME and hold.

ATIS	DULUTH APP CON	DULUTH TOWER	GND CON
124.1 270.1	125.45 233.7	118.3 257.8	121.9 348.6

ALTERNATE MISSED APCH FIX

093° 273° PYKLA DL 379 RADAR

ADF or RADAR REQUIRED

116.55 HIB Chan 112 (Y)

017° 197° CHERL INT DLH 15

R-119

R-017

LOM/IAF PYKLA 379 DL RADAR

LOCALIZER 110.3 I-DLH

(CFBSJ) 273° 093° 1 min 273° IM 3300 288° (6.8) 1569 1581

2049± 2049

MSA DL 25 NM 3100

DULUTH 112.6 DLH Chan 73

ELEV 1428 D TDZE 1428

TDZ/CL Rwy 9

REIL Rwys 3 and 21

HIRL Rwys 9-27

MIRL Rwys 3-21

VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 70).

One Minute Holding Pattern

DL PYKLA LOM RADAR

3000 4500 hdg 320° DLH R-017 CHERL INT

3284 3300 273° 093° 3300 IM

GS 3.00° TCH 59

5.4 NM 0.2

093° 10591 X 150 5719 X 150 1492 TWR 1485 3 21

CATEGORY	A	B	C	D	E
S-ILS 9	1628/18 200 (200-½)				
S-LOC 9	1960/24 532 (600-½)		1960/55 532 (600-1)		
C CIRCLING	1960-1 532 (600-1)		1960-1½ 532 (600-1½)	2400-3 972 (1000-3)	

FAF to MAP 5.6 NM

Knots	60	90	120	150	180
Min:Sec	5:36	3:44	2:48	2:14	1:52

NC-1, 18 APR 2024 to 16 MAY 2024
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